

VAN LANG TECHNOLOGIES

COMPANY PROFILE 2026

**Technology solutions for manufacturing,
industry,
banking, financial services and fintech**

A multidisciplinary team combining mechanical and factory expertise,
IoT/embedded systems,
software architecture and large-scale financial platforms.

HANOI | 09.2026

A multidisciplinary technology team focused on operational outcomes

Van Lang Technologies develops solutions around the real operational needs of manufacturers and financial institutions - not around isolated technologies.

Positioning

A consulting and product development partner for two priority sectors: (1) manufacturing and industry; and (2) banking, credit institutions, financial services and fintech. Our systems are designed for security, deep integration, scalability and sustainable operations.

Core capabilities

Banking and digital finance Digital lending, payments, credit information, API integration, risk data and fintech platforms.	Manufacturing expertise Mechanical engineering, mechatronics, workshop management, HVAC, engineering design, quality and industrial equipment.
Experienced team Six core professionals, senior experts and advisors covering consulting, architecture, software development, embedded/IoT, engineering automation and project management.	Phased delivery Assess - pilot - measure - scale; reducing investment risk while delivering early value.

Our delivery commitments

- Solutions aligned with existing processes and a clear change roadmap.
- Configurable, integrable and scalable designs for each factory environment.
- Documentation, knowledge transfer and training that enable clients to own the solution.

Van Lang Technologies Company Limited

A Hanoi-based technology company bringing together specialists with implementation experience developed through DXS projects.

Information	Details
English name	VAN LANG TECHNOLOGIES COMPANY LIMITED
Tax code	0111283441
Incorporation date	13 November 2025
Status	Active
Legal representative	Lê Hữu Trí
Address	No. 9, Alley 1/34/1 Phan Dinh Giot Street, Phuong Liet Ward, Hanoi, Vietnam
Relevant business activities	Software development; systems consulting and management; IT services; data processing; software publishing; technical testing and analysis; and scientific and technological R&D.

Team continuity

Continuity of capability

Van Lang Technologies brings together a core team that has worked jointly on multiple digital transformation projects. This continuity of specialists, experience and delivery methods enables the company to mobilize the right resources quickly for each client requirement.

Market focus

- Manufacturers and factories pursuing phased digitalization with a focus on efficiency and integration.
- Banks, finance companies, credit institutions and fintechs requiring reliable business applications, data products, integrations and platforms.
- Service and trading companies seeking process automation, partner connectivity and data management systems.

Expertise at the intersection of technology and real-world operations

Our team can work effectively with executive management, banking operations, risk management, production, engineering and IT teams.

01. Understanding physical operations Experience in mechanical engineering, mechatronics, equipment, production processes and quality control keeps software models grounded in shop-floor reality.	02. Architecture ownership Capability in mission-critical and high-performance architecture, cross-platform integration, data processing and cloud/hybrid deployment.
03. Regulated-industry experience Team experience across banking, payments, securities, credit information and other tightly controlled systems.	04. From consulting to operations Assessment, design, development, testing, deployment, training, documentation and post-go-live support within one delivery model.

Design principles

- 01

Configure first, customize selectively: Standardize data models and parameters to reduce the cost of change.
- 02

Integrate instead of replacing everything: Connect existing ERP, MES, Excel and machinery through a phased roadmap.
- 03

Traceable data: Record change history, user actions, timestamps and approval status.
- 04

Role-based security: Access control, audit logs, environment segregation, backup and security controls.

Digital solutions aligned with business needs

Start with a focused use case, then scale into an integrated management platform.

Digital transformation consulting Current-state assessment; process mapping; target architecture; investment roadmap; KPIs and business case.	Banking and fintech Digital lending, credit information, partner integration, payments, risk data, fraud/AML and reporting.
Custom software Web, mobile and desktop; workflows; dashboards; portals; internal applications; access control and approvals.	Manufacturing and operations Planning, machine scheduling, work orders, progress tracking, WIP, OEE, QC, maintenance and traceability.
IoT, embedded & edge Embedded devices, gateways, industrial protocols, data acquisition, alerts, OTA and cloud integration.	Data, AI and computer vision Centralized data, reporting, forecasting, anomaly detection, OCR and vision-based defect inspection.
Architecture and integration API, ESB, event streaming, microservices, cloud migration, HA/DR, observability and performance optimization.	Flexible delivery teams Specialists or development teams supplied by task, duration or defined deliverables with acceptance criteria.

Priority use cases for early value

A phased solution portfolio aligned with the digitalization needs of manufacturers and industrial plants.

Use case	Core functions	Expected value
One-off machining planning	Project - part - operation - machine; schedule conflict checks; shift/daily updates.	Transparent machine loading, fewer delays and less manual coordination.
Production progress management	Work orders, WIP, status, delay alerts and dashboards by workshop, line or project.	Early bottleneck detection and shorter reporting cycles.
Digital quality management	Checklists, QC criteria, NCR/CAPA, photographic evidence, lot traceability and approvals.	Fewer documentation errors and stronger traceability.
Equipment maintenance	Asset register, preventive maintenance schedule, incident tickets, spare parts, MTBF/MTTR and alerts.	Reduced unplanned downtime.
IoT monitoring	Sensor, meter and PLC data acquisition; gateways; real-time dashboards and threshold alerts.	Continuous operational data supporting energy optimization.
Engineering tool digitalization	Standardized inputs, automated calculations and design, version control and managed outputs.	Less repetitive work and greater engineering consistency.
Inventory and traceability	Material coding, receipts/issues, locations, lot/serial tracking, production issuance and stocktaking.	Fewer inventory discrepancies and faster traceability.
Management dashboards	Role-based KPIs, drill-down, automated reporting and multi-source data.	A single trusted data source for decision-making.

Selecting a pilot

Prioritize a use case with available data, clearly identified users, a short operating cycle and 3-5 measurable before/after KPIs. A strong pilot is typically limited to one workshop, one production line or one equipment group.

Products and solutions for banks, credit institutions and fintechs

This is a key strength of the team, built through years of work on banking, payments, securities, lending and financial data systems.

Solution area	Functional scope	Team capability
Digital lending and LOS	Application intake, eKYC and consent, rule screening, approval, disbursement, collection and status management.	Credit business analysis; integration; workflows; APIs; and data.
Credit information and risk	Data collection and sharing, credit reports, scoring, rule engines, alerts and reconciliation.	Experience building a credit information company, API products and data operations.
Payments and e-wallets	Payment gateways, e-wallets, bank and partner connectivity, transaction routing, reconciliation and reporting.	Experience with Vimo/NextPay, multi-bank connectivity and 24/7 services.
Banking integration	API gateways, ESB, core banking migration, interface standardization, messaging/events and monitoring.	Core banking, hundreds of APIs, IBM IIB/MQ, Kafka, DataPower and microservices.
Fraud, AML and data	Anomaly and fraud detection, AML, customer data, risk dashboards and analytical models.	Mission-critical architecture, graph technology, streaming, data and high performance.
Digital channels and customer applications	Portal and mobile services, enquiry, onboarding, self-service, notifications and user administration.	Full-stack, cloud, security, business UX and multi-system integration.

Financial-sector delivery principles

Compliance and traceability Consent, access control, audit logs, reconciliation and evidence of data processing.	Security and availability HA/DR, encryption, secrets management, monitoring and incident response.
Performance and scalability Design for high loads, asynchronous processing, caching, streaming and cloud/hybrid environments.	Open integration API-first design, data standardization, core and partner connectivity, and version management.
Engagement approach Van Lang can support architecture consulting, module or product development, systems integration and specialist delivery teams, with priority given to phased implementation and industry compliance.	

From operational data to management decisions

A flexible layered model for factories and financial systems, enabling progressive integration, reduced dependency and scalable growth.

LAYER 5	APPLICATIONS AND MANAGEMENT	Dashboards, workflows, mobile/web, reporting, alerts and approvals
LAYER 4	DATA AND AI	Data mart/lakehouse, KPIs, forecasting, computer vision and anomaly detection
LAYER 3	INTEGRATION	API gateway, ESB, event streaming, ETL, connector ERP/MES/CMMS
LAYER 2	EDGE AND CONNECTIVITY	Gateways, OPC-UA, Modbus, MQTT, Wi-Fi/4G/LAN and edge processing
LAYER 1	EQUIPMENT AND FIELD LAYER	PLCs, sensors, cameras, meters, production machinery and embedded devices

Cross-cutting principles

Security by design Access control, encryption, audit logs, secrets management, patching and environment controls.	Observability Logs, metrics, traces, alerts and data for root-cause analysis.
Interoperability Open standards and APIs that avoid vendor lock-in.	Business continuity Backup, recovery and HA/DR aligned with service criticality.

Phased, measurable and scalable

Each phase has defined deliverables so the client can control scope, cost and quality.

Stage	Details	Indicative duration	Key deliverables
01	Rapid assessment	1-2 weeks	Objectives, processes, pain points, data, related systems and baseline KPIs.
02	Discovery and design	2-4 weeks	BRD/use cases, data model, prototype, architecture, integration plan and backlog.
03	Pilot/MVP	6-12 weeks	A working product in a controlled scope; training; KPI measurement; business refinement.
04	Scale-up	3-6 months	Deep integration, data migration, load scaling, security and rollout across multiple units or lines.
05	Operate and improve	Continuous	SLA, monitoring, support, optimization, upgrades and internal capability transfer.

Delivery controls

Scope Prioritized backlog, acceptance criteria, change control and milestone approvals.	Quality Design and code reviews, multi-layer testing, UAT and SLA-based defect tracking.
Data Data ownership, mapping, quality checks, reconciliation and cutover planning.	Handover Architecture and operations documentation, source code, user guides and internal-team training.

Capabilities organized by role

Core personnel directly contribute to consulting, design, quality control and the resolution of critical challenges.

Team member	Role at Van Lang	Key capabilities	Domain experience
Bùi Văn Kiên	Consulting and Solution Development Lead	PMP; business analysis; project management; integration; manufacturing/mechanical engineering	Banking, payments, securities, credit information and factories
Nguyễn Đình Liệu	Industrial Solution Architect	Embedded, IoT, computer vision, AUTOSAR, ASPICE	Automotive, industrial equipment, metrology and telecommunications
Lê Hữu Trí	Legal Representative; Software Engineer	Full-stack, cloud AWS, integration, backend/data	Fintech, e-wallet, blockchain, smart city, computer vision
Trần Đức Cường	Senior Expert - EPC Engineering Automation	Piping stress, CAESAR II, C#, engineering automation and technical data	LNG, refining and petrochemicals, EPC and package machinery
Nguyễn Văn Dương	Senior Advisor - System Architecture	Mission-critical systems, HA, high performance, core platforms and cloud	Securities, banking, payments and AML/fraud
Phạm Đức Thành	Senior Advisor - Technology and Solutions	Technology strategy, platform architecture and engineering leadership	Fintech, payments and digital ecosystems

Resource model

Core team plus domain specialists

Van Lang maintains a core team responsible for architecture and quality governance. Depending on the project, developers, testers, business analysts, DevOps engineers or equipment specialists are added. Senior advisors review critical decisions and help resolve complex issues.

Capability coverage

- Business analysis, product and project management, enterprise architecture and solution design.
- Backend, frontend, database, integration, cloud, DevOps, performance engineering.
- Embedded and edge systems, industrial protocols, computer vision, equipment and metrology.

Bùi Văn Kiên

Consulting, solution design and hands-on development



Bùi Văn Kiên

CONSULTING AND SOLUTION DEVELOPMENT LEAD

Connecting operational challenges and business requirements with practical technology solutions.

Professional summary

More than 15 years of combined experience in mechanical engineering, production management and information technology. Experienced in building, integrating and operating systems for payments, banking, securities and credit information, as well as production management, HVAC engineering design and factory operations coordination.

Management and consulting PMP; planning, scope and risk management, multi-party coordination, proposal development and delivery roadmaps.	Technical foundation Java/Spring, C#/.NET, SQL/Oracle, API/ESB, Kafka/RabbitMQ, Redis, microservices and data.
Digital finance Banking and payment intermediary integration; core banking; securities trading; and credit information systems.	Manufacturing Mechanical Engineering at HUST; factory management; HVAC design and production; schedule, quality and engineering-shop-floor coordination.

Selected achievements

- Contributed to infrastructure, processes and products for a credit information company from its early stage.
- Contributed to a core banking integration migration involving hundreds of APIs and SIT/UAT support.
- Led a gateway connecting multiple banks, payment institutions and service providers in a 24/7 operating environment.
- For the JGC Vietnam project, directly performed requirements analysis, solution design, coding and deployment of the V-PowerApps system, while coordinating delivery with the client.

Education: Mechanical Engineer - Hanoi University of Science and Technology; Bachelor of Information Technology. Certification: PMP®.

Nguyễn Đình Liệu

Industrial Solution Architect - Embedded, IoT, Automotive and Computer Vision



Nguyễn Đình Liệu

INDUSTRIAL SOLUTION ARCHITECT

Translating equipment and engineering-process requirements into deployable software-hardware architectures.

Professional summary

More than 12 years of experience in embedded systems, software architecture, IoT, automotive, industrial metrology and computer vision. Trained in the honors Mechatronics program at HUST, with strengths in system design, device optimization, peripheral interfaces and industrial software development processes.

Category	Representative capabilities
Embedded & IoT	C/C++, C#, RTOS, Linux Embedded, FreeRTOS, STM32, Quectel, MQTT, OTA, low power.
Automotive	AUTOSAR Classic/Posix, ASPICE, ECU architecture, IPC, EEPROM emulation, CAN/SPI/I2C/UART.
Computer Vision	OpenCV, industrial cameras, robots, PLCs, defect detection, optical measurement and calibration.
System design	Enterprise Architect, architecture and detailed specifications, reusable frameworks, coaching and technical leadership.

Selected experience

- FPT Software: Solution Architect for electric-vehicle ECUs; led delivery toward ASPICE Level 2 compliance.
- HUSTECH: Co-founder; designed metrology and computer vision solutions for industrial environments, including systems serving LG, Samsung and electronics factories.
- Viettel R&D: Developed tactical SDR radio systems, FPGA/DSP components and configuration/positioning applications.
- JGC Vietnam: Assigned by DXS to develop the V-PowerApps system for engineering tool digitalization.

Certification: Automotive Cybersecurity - ISO 21434 (2023).

Lê Hữu Trí

Legal Representative - Full-stack and Cloud Software Engineer



Lê Hữu Trí

LEGAL REPRESENTATIVE | SOFTWARE ENGINEER

End-to-end digital product development with a focus on lean architecture, code quality and deployability.

Professional summary

Full-stack software engineer experienced in backend, frontend, databases, messaging and cloud for products in Vietnam and the region. Has worked on e-wallets, payment gateways, blockchain, smart city, facial recognition and computer vision systems.

Backend Node.js, NestJS/Express, REST API, JWT, TypeORM/Sequelize, Swagger.	Frontend React.js, HTML/CSS, Bootstrap, Chakra UI, Tailwind CSS.
Data & messaging PostgreSQL, MySQL, MongoDB, Redis, Kafka, RabbitMQ.	Cloud & delivery AWS EC2/S3/CloudFront/Route 53, Docker, CI conventions and deployment.

Project experience

- Xendit: Refactoring, code optimization and support for data/service migration to new business flows.
- Setel: Payment module integration, inter-service messaging and web UI for a payment and e-commerce ecosystem.
- Viettel: Vessel detection, facial recognition, smart city and business application projects.
- Sponsee: Blockchain application, smart contracts, backend development, codebase standardization and AWS deployment.

Education: Computer Science - HUST; External Economics - FTU. Certification: AWS Certified Solutions Architect - Associate. TOEIC 980.

Trần Đức Cường

EPC engineering automation, piping mechanical engineering and stress analysis



Trần Đức Cường

SENIOR EXPERT - EPC ENGINEERING AUTOMATION

Combining specialist engineering experience with the ability to build software and deploy it in real production environments.

Professional summary

Mechanical engineer and automation specialist with 15 years of experience on EPC projects, primarily in LNG, refining and petrochemicals. Combines hands-on pipe stress analysis, engineering-discipline development and C# software development to create tools used in live engineering production environments.

Piping stress CAESAR II, ASME B31.3, critical line selection, support design, vendor nozzle load verification and high-temperature systems.	Engineering automation 3D model and PCF conversion into CAESAR II; automated setup, result evaluation, stress sketches and reporting.
Software and data C#, desktop applications, data integration and conversion, database design, and centralized, traceable analysis data.	Technical leadership Built the piping stress team from one to 18 engineers; established standards, training, quality control and resource allocation.

Selected achievements

- The stress-analysis automation tools he developed were adopted across JGC group companies; JGC assessed potential savings of up to 80% of an engineer's effort across the full workflow.
- Led the combined piping, equipment and package machinery functions of more than 30 engineers at JGC Vietnam while driving the group's digital transformation program.
- Completed a two-year assignment at JGC Corporation in Yokohama on the Ichthys LNG project, with broader experience across LNG, refining, petrochemicals and industrial facilities.
- Currently develops piping mechanical applications for large-scale EPC teams and provides pipe stress analysis services.

Education: Mechanical Engineering - Hanoi University of Science and Technology. Certifications: Google Advanced Data Analytics, Google Data Analytics and Google AI Essentials.

Nguyễn Văn Dương

Mission-critical architecture, high performance and core platforms

VD

Nguyễn Văn Dương

SENIOR ADVISOR - SYSTEM ARCHITECTURE

Mission-Critical System Architect | Principal Engineer | Core Systems Expert

Advisory role

Provides architectural direction, design reviews, performance optimization, technology selection and support for complex issues in high-availability transaction, data and integration platforms.

Publicly documented project experience

Project/topic	Notable contribution
KRX - core trading system	Participated in the new core trading project during 2023-2025.
AML and fraud detection	Experience in anti-money laundering and financial fraud detection.
HFT and performance optimization	Re-architected application and data layers, increasing throughput from approximately 20,000 to 1 million transactions per day.
Cloud scaling	Technical Lead for a trading-system read flow handling approximately 20 million requests per day and scaling to AWS.
API Gateway	Assessed and migrated from Kong to IBM DataPower, including performance testing and service integration.
Payments and P2P	Technical Lead/Team Lead for Vimo.vn and Vaymuon.vn; Spring Boot, Oracle/PostgreSQL, RabbitMQ and REST.

Professional certifications

Spring Professional v5.0 Pivotal Software	Confluent Fundamentals Apache Kafka
Neo4j Certified Professional Graph database	Kotlin for Java Developers JetBrains / Coursera

Phạm Đức Thành

Technology strategy, solution architecture and engineering leadership



Phạm Đức Thành

SENIOR ADVISOR - TECHNOLOGY AND SOLUTIONS

Experienced technology executive in fintech, payments and digital platform development.

Advisory role

Advises on technology strategy, platform architecture, product development models, engineering organization and delivery approaches for large-scale or multi-party digital transformation programs.

Experience foundation

Technology leadership Years of CTO experience connecting business strategy with product roadmaps and technology platforms.	Fintech and payments Technology leadership experience at Vimo and NextPay Holding during the development of digital financial ecosystems.
Architecture and scale Advises on architecture selection, integration capability, scalability and technical risk control.	Engineering governance Engineering organization, development principles, reviews, quality, operations and resource prioritization.

Publicly documented career milestones

Stage	Role/organization
2017-2025	Chief Technology Officer - Vimo JSC
2019-2025	Technology Executive - NextPay Holding PTE
Present	Chief Technology Officer - Le Delta Group
2005-2010	Lecturer at Hanoi University of Science and Technology

Value for clients

A CTO-level perspective enables Van Lang to address not only functional requirements but also lifecycle cost, scalability, technology risk, operating-team capability and the sustainability of the product roadmap.

JGC Vietnam engagement and inherited capability

Evidence of the team's ability to analyze, design, develop and deploy software solutions for an international client.

PROJECT: V-POWERAPPS SYSTEM DEVELOPMENT

Background

On 10 July 2024, JGC Vietnam and DXS entered into a service agreement for specialist personnel working remotely from the contractor's premises. The assignment covered development of the V-PowerApps system for the Technical Service Department, M&P Group. Bùi Văn Kiên directly performed requirements analysis, solution design, coding and source-code deployment while coordinating delivery with the client. Nguyễn Đình Liệu participated in technical implementation.

Item	Information
Contracting entity	DXS Digital Transformation Solutions Company Limited
Client	JGC Vietnam Co., Ltd.
Delivery model	Specialist personnel working remotely under JGC supervision, with acceptance based on Development Task Requests.
Assigned personnel	Bùi Văn Kiên - Solution Designer/Developer, directly responsible for solution development and source-code deployment; Nguyễn Đình Liệu - IT Developer/Solution Architect
Assignment period	10 July 2024 - 31 March 2025
Capabilities demonstrated	Delivery to international-client standards; time tracking; security; intellectual property; deliverables; defect resolution; and acceptance.

Capability carried forward from the project

The project was delivered by core team members who continue to work with Van Lang Technologies. Their capabilities in requirements analysis, solution design, hands-on source-code development and coordinated delivery for an international client remain embedded in the current delivery model.

Team experience in other domains

- Banking systems, core banking integration, payments, e-wallets and partner connectivity gateways.
- Securities trading systems, KRX, performance optimization, cloud scaling and high availability.
- Automotive ECUs, AUTOSAR/ASPICE, IoT, embedded devices, metrology and industrial computer vision.
- EPC engineering automation, CAESAR II, piping data and pipe stress analysis for LNG, refining and petrochemical projects.

Start with a pilot small enough to move fast and real enough to measure

Van Lang proposes selecting one priority use case with the client, defining KPIs and delivering it within a controlled scope.

Engagement models

Consulting and design Assessment, architecture, business case, prototype and tender/implementation documentation.	End-to-end development Defined scope, deliverables and acceptance criteria for each phase.
Flexible specialist team Specialists or squads provided by duration or assignment, with technical governance.	Co-development A joint client and Van Lang team focused on knowledge transfer, training and product ownership.

Proposed next steps

- 01** A 90-120 minute workshop with business, engineering and IT representatives.
- 02** Select one use case and agree on inputs, users and 3-5 KPIs.
- 03** Within five working days, Van Lang provides the concept, pilot scope, preliminary architecture and delivery plan.

VAN LANG TECHNOLOGIES COMPANY LIMITED

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