Minh Nguyen

📞 +84 909081346 | ✉ nvminh@gmail.com

Skills

Programming Languages: Java, Kotlin, JavaScript, C++, Python (AI Agents with CrewAI, LangChain, RAG, OpenAI APIs, LLMs)
System Design: Data Structures & Algorithms, Object-Oriented Design, Event-Driven Architecture, Design Patterns, Database Design, Networking, System Architecture, Performance Optimization, Scalability, Security, Cloud Computing
Business Domains: E-commerce, Banking, Application Lifecycle Management, Online Advertising
Frameworks: Spring, Hibernate, Struts, Java Media Framework
API Design: RESTful APIs, SOAP, gRPC
Java Security: Encryption/Decryption, Certificate Management, Keystore
UI Technologies: JSP/Servlet, GWT, JQuery, AngularJS, ExtJS, CSS, XML, HTML, JavaFX, Swing, OSGi, Adobe Experience Manager (AEM)
Testing: Unit Testing, System Testing, Integration Testing
Databases: DB2, Oracle, MySQL, PostgreSQL, DynamoDB, Redis
Monitoring: Datadog, Splunk, Prometheus, Grafana, CloudWatch
Build & CI/CD: GitLab Pipeline, AWS Pipeline, Gradle, Maven, ANT, Jenkins/Hudson, TFS
Version Control: Git, SVN, CVS, VSS
Web Servers: IBM WebSphere Commerce, Apache Tomcat, Jetty, IIS
IDEs: IntelliJ IDEA, Eclipse, NetBeans, JBuilder, Visual Studio
Cloud: AWS, Azure, ECS, Kubernetes (K8s), Serverless Architectures
Methodologies: Agile/Scrum

Experience

Money Forward Vietnam – Principal Software Engineer

Sep 2024 – Present, Ho Chi Minh City

- Led technical direction for the team, driving architecture and implementation of high-performance SaaS products in Fintech using **Java, Kotlin, and Spring Boot**.
- Designed **enterprise-grade APIs** and optimized performance via query tuning, API latency reduction, and async processing (**Kafka, CompletableFuture**).
- Strengthened infrastructure by adopting **Docker, ECS, CI/CD pipelines**, improving delivery speed, and system reliability.
- Enhanced observability with **CloudWatch, Datadog, Prometheus**, ensuring uptime and proactive issue detection.

Tyme – Technical Lead

May 2021 – Jul 2024, Ho Chi Minh City

- Directed teams to solve complex business & technical challenges, aligning architecture with

business needs.
- Improved **code quality, security practices, and technical standards** across teams.
- Conducted **PoCs and research** on emerging technologies.
- Provided mentorship, training, and guided teams to achieve technology roadmaps.

Home Credit Vietnam – Team Leader / Technical Lead / Senior Software Engineer

Aug 2018 – May 2021, Ho Chi Minh City

- **Team Leader:** Coached Agile teams, managed IT professionals, and aligned IT strategy with business objectives.
- **Technical Lead / Java Coach:** Mentored developers, defined best practices, conducted code/design reviews, and resolved application issues.
- **Senior Software Engineer:** Built microservices for mobile applications, migrated services from legacy .NET to Java, optimized REST APIs.

Fossil Vietnam – Senior Software Engineer / Team Lead

Nov 2017 – Aug 2018

- Led and mentored developers in building **e-commerce solutions** on IBM WebSphere Commerce.
- Designed technical solutions and customized platform features.

AdNovum – Senior Software Engineer

Nov 2016 – Oct 2017

- Technical lead for banking projects, mentoring junior engineers.
- Refactored backend/frontend code and implemented new features with **Spring & SOAP**.

HP Software – Software Specialist

Jun 2011 – Oct 2016

- Designed and developed ALM integrations with **Java, Spring, GWT, REST**.
- Delivered traceability solutions linking multiple enterprise tools.

NetBlue Vietnam – Senior Developer / Project Leader

Apr 2005 – Jun 2011

- Led development teams for **digital advertising platforms**.
- Architected and developed Ad Server, report systems, and unified UI tools.

TMA Solutions – Senior Developer

Jan 2004 – Apr 2005

- Designed and implemented HR & fax solutions using **Java/JSP/Struts, SQL Server**.

Simon Technology Systems – Senior Developer

Oct 2000 – Oct 2003

- Built **manufacturing and camera applications** integrating C/C++, Java, and SQL Server.

Projects

Money Forward Vietnam

- **Asset Utils:** Asset management utilities for high-net-worth individuals.
  Tech: Microservices, AWS, ECS, CloudWatch, REST, Spring Boot, Redis, MySQL, Android/iOS/Web

Tyme

- **PayShap:** Instant interbank digital payment platform.
  Tech: Microservices, AWS, ECS, REST, Spring Boot, Kafka, Redis, MySQL, Android/iOS
- **Customer Onboarding:** Implemented biometric verification and profile creation services.
  Tech: AWS, ECS, Kafka, SQS, DynamoDB, MySQL, Spring Boot

Home Credit Vietnam

- **HomeX:** Built mobile tools to support sales networks for loan products.
  Tech: AWS, Azure, K8s, Spring Boot, Oracle
- **Customer Mobile API:** REST APIs for loan management mobile apps.
  Tech: Spring Boot, SOAP, Oracle

Fossil Vietnam

- **E-commerce Website:** Customization on IBM WebSphere Commerce.
  Tech: Java/JSP, AEM, EJB, Struts

AdNovum Vietnam

- **IPM Banking App:** Portfolio management platform.
  Tech: OSGi, Spring, SOAP, Maven

HP Software Vietnam

- **ALI:** ALM integrations with traceability across tools.
  Tech: Java/JSP, Spring, REST, GWT
- **Synchronizer:** ALM synchronization tool.
  Tech: Spring, AngularJS, Oracle

NetBlue Vietnam

- **Admodus:** Complete digital advertising platform.
- **Trafficking Report / Unified UI / DNE / Data Platform:** Advertising and compliance tools.
  Tech: Spring, Hibernate, MySQL, PostgreSQL

TMA Solutions

- **EasyFax / HRT:** Enterprise fax and HR tools.
  Tech: Struts, SQL Server

Simon Technology Systems

- **eSimon:** Manufacturing diagram & execution system.
- **GeniusEye:** Motion detection camera software.
  Tech: Java, C/C++, SQL Server

Education

University of Natural Sciences, HCMC
Bachelor's in Computer Science – Knowledge Technology (1996 – 2000)