

HIEN DINH

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BACKEND JAVA SOFTWARE DEVELOPER

Motivated Software Engineer with over 7 years of experience working in various domains, including cyber security systems, fintech, sport betting, and semiconductors. Hands-on experience in developing high-scale applications using Java, Spring Boot, Microservices, Kafka, Docker, Kubernetes, MySQL, Redis and Elasticsearch. Experienced in working with Kotlin, GCP, Vertx and Google Bigtable. Team player who effectively contributes to all phases of the software development life cycle while ensuring projects are completed on time and according to client specifications and requirements.

Problem Solving • Design Patterns • Object Oriented Programming • Cloud Technologies • Big Data • Test Driven Development • Microservices • Web services
• SDLC

Languages: Java, Kotlin

Web: HTML5, CSS3, Angular

Web Services: RESTful Web Services, Microservices, Json

Web/App Servers: Tomcat

Frameworks: Vertx, Spring (MVC, Spring boot, security, Spring JPA, AOP, Dependencies Injection), Play framework

Databases: MySQL, Oracle, Cassandra, Elasticsearch, Firestore, Bigtable, BigQuery, Redis

Design Patterns: MVC, Singleton, Prototype, Adapter, Factory Method, Template Method

SDLC: Waterfall, Agile

Tools: UML, Eclipse, IntelliJ, Visual Studio Code, Maven, Bazel, Gradle, Git, WinSCP, Putty, Jira, Postman, Redis, Airflow, Hibernate ORM, EclipseLink ORM, Datagrid, DBeaver

Platforms: Windows 10, Linux, Mac

Big Data: Kafka, Elasticsearch, Google Cloud Bigdata technologies (Bigtable, firestore, Bigquery, Google Cloud Pubsub)

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

MOZOX LTD., Ho Chi Minh, Vietnam • 08/2022 – 04/2023

A software company provides cyber security solutions for many businesses

Software Engineer

Developed a cyber security system which can detect and response to cybersecurity risk.

- Developed Restful APIs using Spring Boot for SIEM (Security Information and Event Management) portal to provide API endpoints for the frontend
- Created log parsers module using Java, Maven, Regular expression to standardize log information from different devices
- Built and managed multi-threaded Java applications using Java, Kafka, Elasticsearch, and ElastAlert to collect and analyze security-related data

Technologies Used: Windows 10, IntelliJ IDEA, Java, Maven build tools, Kafka, Elasticsearch, Github, WinSCP, Putty, Jira

MOMO (M_Service), Ho Chi Minh, Vietnam • 11/2020 – 05/2022

MoMo is a Vietnam's leading mobile e-wallet and payment platform.

Software Engineer

Worked on Accounting Platform and Google Cloud Team

- Developed backend services, restful APIs use Kotlin, Vertx framework, Google Cloud, Protocol Buffers, Kafka, Redis, Bazel build tool to support scalability and agility.
- Created new modules for third parties use Java, airflow, file transfer to standardize statement data and integrate to the current reconciliation process
- Built a website using AngularJS, Vertx framework, HTML/CSS for Accountant team to configure and export financial report as excel file.
- Implemented Dependency Injection using Dagger2 to reduce code coupling and provide compile-time safety.
- Deployed and managed services using Docker and K8s leverage microservice architecture.

Technologies Used: MacOS, IntelliJ IDEA, Java, Kotlin, Google Cloud technology (Firestore, Bigtable, Pubsub, BigQuery), Vertx Framework, Protocol Buffers, Postman, Docker, K8s, Redis, Kafka, Bazel build tool, Git, Gerrit

INCEPTIONLABS, Ho Chi Minh, Vietnam • 04/2019 – 08/2020

Software company provides trading platform services

Software Engineer

Developed projects in sport betting domain.

- Developed a java-based application to work with large amounts of data in real-time to support business decisions.
- Built a web portal for agent users using Play framework, Angular, MySQL to manage user accounts and activities, view reports and statistics.
- Created a Restful service to query elasticsearch and write APIs to get log of history orders.
- Wrote and optimized SQL queries to generate excel reports for clients based on client's request.

Technologies Used: Java, Play framework, Angular, MySQL, elasticsearch, Gradle build tool, Gitlab, Redmine.

RENESAS DESIGN VIETNAM, Ho Chi Minh, Vietnam • 09/2014 – 12/2017

Renesas Design Vietnam is a semiconductor company.

Software Engineer

Develop plugins for e2 studio IDE (Renesas eclipse embedded studio).

- Developed Smart Manual plugin to locate and show hardware manual information in editor.
- Built and maintained Memory Usage plugin to allow user view and modify memory.
- Created Current Consumption plugin to tune currents drawn by systems using an emulator.
- Created a C# application to create libhover database used by Smart Manual plugin.

Technologies Used: Java, Java Swing, C#, Junit framework, Tortoise SVN, Git, SonarQube, Jira

ACADEMIC PROJECTS

Maharishi International University (2023) Library Management System: A library management system. My task was to implement features to add and copy books. Utilized Java Swing, Java, Eclipse

Maharishi International University (2023) SWA Project: A software system that allows automatic search and identification of web-based data sourcing APIs. My task was to research how to apply CI/CD into this project. Utilized Microservice, Java, Spring boot, Maven, MongoDB, Docker

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 12/2025)

Maharishi International University, Fairfield, Iowa

Key Courses: *Enterprise Architecture, Algorithm, Modern Programming, Software Architecture, Database Management Systems.*

Engineering in Information Technology

Da Nang University of Technology, Da Nang, Vietnam (2013)