

HAINING SONG

Fairfield, Iowa 52556 • +1-641-233-1811 • dylansong0811@gmail.com
<https://www.linkedin.com/in/haining-song-692a2a308/>

SENIOR JAVA SOFTWARE ENGINEER

Experienced Java Software Engineer with 6+ years of expertise in building scalable, high-performance web and enterprise applications. Skilled in microservices and cloud-native architectures, with a strong track record leading teams, mentoring junior developers, and delivering impactful solutions across insurance, telecom, and fintech domains. Focused on optimizing performance, availability, and maintainability. Proficient across the SDLC with strong adherence to Agile and DevOps practices. Core tech stack includes Java, Spring Boot, MySQL, Redis, Kafka, Docker, and Kubernetes.

- Cloud-Native Design • CI/CD • OOAD Principles • Scalable System Design • Event-Driven Architecture
- Performance Optimization and Caching Strategies • DevOps Practices • Containerization and Orchestration

Languages: Java, JavaScript, SQL

Web: HTML, CSS, Vue.js, Webpack4, ElementUI

Web Services: REST, SOAP, JSON, XML

Web/App Servers: Apache, Tomcat, WebLogic, Nginx

Frameworks: Spring, Spring Boot, Spring MVC, Spring Cloud, Hibernate, MyBatis

Databases: MySQL, Oracle, SQL Server

Design Patterns: Singleton, Decorator, Command, MVC, IoC, AOP

SDLC: Agile (Scrum, DevOps, DevSecOps), Waterfall

Tools: Maven, Jenkins, Docker, Kubernetes (K8S), Git, Redis, Kafka, Prometheus, Grafana, ELK Stack, GitLab

Platforms: Windows, Linux, MacOS, AWS

Application/Software: Nginx, Jenkins, Docker, Kubernetes (K8S)

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).

PROFESSIONAL EXPERIENCE

PEAK3 (FORMERLY ZA TECH), Dalian, China • 04/2022 – 08/2024

A global insurance-tech SaaS leader offering cloud-native core, distribution, analytics, and AI solutions for life, health, and P&C insurers.

Senior Java Software Engineer

Led design and development of new features in the product domain and refactoring the Campaign module.

- Developed tenant-specific features and fixed bugs in the Nano project with Spring Boot, MySQL, Redis, and Elasticsearch, ensuring compliance for clients in Thailand, Japan, Hong Kong, and Europe.
- Enhanced core modules in the Graphene product using Spring Cloud, MyBatis, and Kafka, reducing configuration time and speeding up insurance product launches.
- Refactored the Campaign module into a standalone microservice using DDD architecture, Spring Boot, Quartz, and Feign, improving scalability, maintainability, and integration with internal and external systems.
- Led the new Campaign domain team and developed Campaign Connectors (Fusion, Graphene, Atom) using RESTful APIs, Feign, and Kafka, enabling seamless integration with multiple downstream systems.
- Delivered customized campaign features for the Sampo Japan tenant using Spring Boot, Spring Cloud, MyBatis, Redis, and Elasticsearch, ensuring compliance and improving operational efficiency.

Technologies Used: Java, Spring Boot, Spring Cloud, Hibernate, MyBatis, MySQL, Redis, Kafka, Docker, Kubernetes, Prometheus, Grafana, ELK Stack, Jenkins, GitLab, Maven.

DALIAN COMMODITY EXCHANGE, Dalian, China • 08/2020 – 04/2022

Dalian Commodity Exchange is one of the largest futures exchanges in China.

Java Software Developer

Developed settlement modules and architecture, optimized Oracle SQL, and managed environment setup and deployments.

- Designed and implemented the end-of-day settlement module for the capital risk evaluation system using Java, Oracle SQL, and Hibernate, enabling accurate daily reconciliation and improved processing reliability.
- Refactored and optimized settlement workflows for the commodity futures trading platform using Java, Oracle SQL, and Spring, enhancing system performance and maintainability to reduce operational delays.

- Tuned complex Oracle SQL queries for the settlement processing module using index optimization, query refactoring, and execution plan analysis, improving data retrieval efficiency by 25%.
- Authored deployment documentation and executed staged setups for the settlement system using Java, Oracle SQL, and automated scripts, ensuring smooth production releases with minimal downtime.

Technologies Used: *Java, Spring, Hibernate, Oracle SQL, Maven, Git, Linux.*

ASIAINFO, Dalian, China • 04/2019 – 08/2020

AsialInfo is a leading provider of telecom services, specializing in big data, AI, and cloud computing technologies.

Software Engineer

Implementation of BSS 3.0 and various telecom software solutions

- Developed and launched new features for Jilin Telecom's BSS 3.0 system using Spring Boot and MySQL, improving service provisioning for mobile packages, number management, and number portability.
- Led deployment and configuration of the Smart Operations System for Hebei Telecom using Java, ensuring cross-regional stability and uninterrupted telecom service operations.
- Delivered a customized CRM platform for Hebei Cloud Company using Java and Hibernate, improving customer profile management, service history tracking, and operational visibility.
- Designed and implemented APIs and backend services for telecom core applications using Java Spring, enabling high-volume transaction processing and integration with billing, package management, and network systems.
- Configured and maintained staging and production environments for multiple telecom projects using Linux-based deployments, ensuring smooth rollout of business-critical features and reducing downtime risk.

Technologies Used: *Java, JavaScript, Vue, Webpack 4, ElementUI, Spring, Hibernate, MySQL.*

NEUSOFT, Dalian, China • 07/2018 – 04/2019

Neusoft is a leading IT solutions provider, offering industrial, platform, and cloud-based software services.

Java Software Developer

Led end-to-end implementation of new features across all systems—scoping, planning, task breakdown, team execution, release, and ongoing performance monitoring.

- Developed UI prototypes for Telecom 2.0 and Marketing platform modules, including customer evaluation and enterprise profiles, using Vue.js and Spring, improving usability and aligning with China Unicom's workflows.
- Engineered backend logic for customer scoring, SMS notification, and rewards modules using Spring Boot and Redis, enabling automated marketing campaigns and improving customer engagement efficiency.
- Built reusable frontend components for the AI Marketing platform using Vue.js and ElementUI, accelerating feature delivery and ensuring UI consistency across multiple telecom business modules.
- Designed and implemented rule engine modules for China Unicom's marketing system using Spring Boot, MyBatis, and Redis, supporting flexible business logic and faster adaptation to promotional rule changes.
- Integrated Vue.js with Webpack and ElementUI for Telecom 2.0 and Marketing portals, delivering responsive and maintainable front-end solutions that improved cross-device user experience.

Technologies Used: *Java, JavaScript, Vue, Webpack, ElementUI, Spring, MyBatis, Redis, Oracle, Hibernate.*

ACADEMIC PROJECTS

Maharishi International University (2025)

- **AWS Serverless Architecture:** Developed a serverless web application on AWS using Lambda, API Gateway, DynamoDB, S3, CloudFront, and Cognito, demonstrating scalable, cost-effective architecture with event-driven design, IaC, and secure production-ready deployment.
- **Spring AI Multimodal Demo:** Built a single-page Spring Boot app demonstrating Spring AI features—including chat, summarization/translation, image generation, RAG, and audio STT/TTS—exposed via REST endpoints, with Micrometer metrics and Prometheus/Grafana dashboards for observability.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 10/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: *Web Application Programming, Cloud Computing, Algorithms, Enterprise Applications*

Bachelor's in Information Management and Information Systems

Dalian Polytechnic University, Dalian, China (07/2018)