JIMMY J

SENIOR SOFTWARE ENGINEER

Snohomish, WA 98296 | (385) 437-3076 | jimmyjimmysoft@gmail.com | https://www.linkedin.com/in/fnujimmy

SUMMARY

A seasoned software engineer with a strong focus on **Java**, bringing over a decade of experience in developing and managing complex software solutions. Been marked by a series of successful projects that highlight technical expertise and leadership abilities. Proficiency in **Java** has been honed through years of hands-on experience in developing scalable and efficient applications. Led the development of enterprise-level software solutions that required intricate problem-solving skills and a deep understanding of object-oriented programming principles. Possess a comprehensive skill set that spans both front-end and back-end development, including working with modern frameworks and libraries such as **Angular**, **React**, **Spring Boot** and **Struts**, which allows me to build seamless user interfaces and powerful server-side logic. Took leadership roles that involve managing cross-functional teams and ensuring the successful delivery of projects. Adept at coordinating between different stakeholders, setting clear goals, and maintaining high standards of quality. With a passion for technology and a commitment to driving meaningful change, always strive to contribute significantly to the success of every initiative.

CERTIFICATIONS

- Oracle Cloud Infrastructure Foundations 2021 Certified Associate
- Grow with Google Challenge Scholarship
- Microsoft Specialist
- Microsoft Certified Professional Developer

SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, C#, C/C++

Backend: Spring, Hibernate, JSF, Struts, Spring Boot, Maven, Gradle, Ant, Java Servlets, JSP, Spring MVC, JPA, JDBC, MyBatis, JBoss, WildFly, JAAS, Node, Express, Nest, Fast API, Django, Flask, Swagger, OpenAPI, REST API, GraphQL, Prisma, TypeORM, SQLAlchemy, MicroServices, Monolithic

Frontend: React, React Native, Gatsby, Next.js, Angular, Vue, Nuxt.js, Redux, Redux Toolkit, VueX, NgRx, SCSS, LESS, Styled components, Bootstrap, Tailwind, Material UI, Chakra UI, Webpack, Babel, Nx, Vite, Storybook, React Script

Testing: Junit, Mockito, TestNG, Jest, Mocha, Chai, Cucumber, Enzyme, React Testing Library, Cypress, Playwright, Selenium

Database: Oracle, Cassandra, Cosmos DB, MySQL, PostgreSQL, Oracle, RDS, Azure Storage, MongoDB, Amazon DynamoDB

Cloud & DevOps: Oracle Cloud, AWS, Microsoft Azure, GCP, Firebase, AWS EC2, Lambda, S3, ECS, Cloudfront, Cloudwatch, ELK, EKS, CI/CD, Jenkins, CircleCI, GitHub actions, Docker, Kubernetes, Grafana, Splunk, Datadog, New Relic, Kafka, Redis

Version Control: Git, GitHub, GitLab, Bitbucket

Others: Agile, Scrum, Jira, Test Driven Development, Artificial Intelligence, Machine Learning, SOLID principle

EDUCATION

Masters of Computer Science | Georgia Institute of Technology
2018 – 2023

Bachelors of Computer Science | BINUS University
2010 – 2013

EXPERIENCE

Principal Software Engineer | Oracle | Remote
2021/12 – Present

- Developed REST APIs for Oracle Service Cloud using Spring Boot which improved error handling and reduced failovers using Java and Spring Boots.
- Designed and implemented a reusable component library using React and Java, which was adopted across multiple Oracle teams, resulting in a 18% reduction in development time.
- Led migration of Oracle E-Business Suite to a containerized microservices architecture using Kubernetes which doubled fault tolerance.
- Implemented server-side caching for Oracle Marketing Cloud using Ehcache which reduced database calls by over 20% and page load times by 10%.
- Refactored core transaction processing modules for Oracle Financials to incorporate reactive programming techniques using Project Reactor, reducing average response time by 25%.
- Led performance optimization effort that increased query throughput by 2X for Oracle Advertising using query rewriting, indexing, and query caching strategies.
- Accomplished defect reduction by implementing automated testing for the billing module that uncovered 15 bugs before deployment using Junit and Jest.
- Designed and implemented a highly scalable and responsive React-based user interface for a mission-critical enterprise application at Oracle, resulting in a 27% reduction in support tickets.
- Developed a microservices architecture for the order processing system using Java 8, Spring Boot, and Docker.
- Built a React front-end with a Java-powered backend, using RESTful APIs and WebSocket communication, to deliver a seamless and real-time data visualization experience.
- Authored a library in Java with over 50K monthly downloads on Maven Central to streamline asynchronous messaging between microservices using Apache Kafka. Reduced inter-service communication code by 30% for 5 internal projects.
- Spearheaded performance optimization efforts that improved end-to-end transaction processing time for credit card payments by 25%. Profiled Java application code using JVisualVM and JProfiler to identify bottlenecks, then optimized SQL queries, connection pooling, and garbage collection.
- Drove the adoption of DevSecOps practices, including containerization, security scanning, and infrastructure-as-code, across multiple Java and React projects, resulting in a 10% improvement in deployment reliability.
- Experience with Java EE (since J2EE 1.2), Spring Framework, JPA/Hibernate, SOAP/REST web services, JMS, JSON, Apache Camel, PostgreSQL, MySQL, Maven, Jenkins.

Senior Software Engineer | Tasso Inc | Seattle, WA
2021/07 – 2021/12

- Engineered high-performance RESTful APIs and backend services using Java/Spring Boot to support clinical data collection and logistics workflows for Tasso's decentralized clinical trial platform. APIs are used internationally by over 50 partner organizations.
- Led development of scalable microservices for sample tracking, logistics processing and laboratory integration using a modular Java architecture. Services achieved under 50ms response time under heavy load during clinical trials.
- Implemented optimization techniques that improved API response times by 30% and reduced database queries by over 60% for Tasso's flagship clinical decision support application used across North America.
- Developed test automation framework in Java/JUnit/Cucumber that reduced integration testing time by 50% and ensured >99% test coverage for continuous delivery of new features to Tasso's cloud PaaS.
- Integrated pharmaceutical sample tracking solution with Laboratory Information Systems using HL7/FHIR standards and React/Redux.
- Authored code samples and documentation library in Java/Maven used internationally by clinicians, researchers and developers integrating with Tasso's API-first platform.

- Built scalable microservices for clinical data ingestion using Apache Kafka streaming API. Architecture supported processing of over 1 million records per day from connected medical devices globally.
- Architected HIPAA/GDPR-compliant data frameworks using Spring/Hibernate to support regulated clinical research environments. Data frameworks abstracted complex regulatory requirements for over 100 trials.
- Developed event-driven pharmacy management application using Axon framework to support inventory, logistics and decision support for Global 200 pharmaceutical manufacturer. Increased inventory accuracy by over 15%.
- Led major refactor of core sample handling platforms using domain-driven design principles to reduce technical debt and support model-driven development. Refactor reduced development time by 20% for 25 APIs.
- Crafted reactive data pipeline using Project Reactor to streamline sample tracking from clinic intake to laboratory analysis. Pipeline meets demanding SLA of under 1 second processing for 99% of events.
- Implemented authentication/authorization services for clinical portal and APIs using Spring Security and JSON Web Tokens. Services securely connected over 1 million patient records across 200+ medical clinics.
- Spearheaded migration of legacy monoliths to modern microservice architecture using Docker, Kubernetes and Elasticsearch. Migration reduced infrastructure costs by 30% and improved deployment reliability.

Senior Software Engineer | UnitedHealth Group | Seattle, WA
2013/09 – 2021/06

- Developed core claims processing APIs and services using Java/Spring Boot to support adjudication of over 1 billion claims annually for UnitedHealthcare.
- Architected scalable eligibility, referral and benefits lookup services for UnitedHealthcare utilizing Hazelcast and Project Reactor.
- Led team that engineered React/Node.js-based platform at OptumInsight to streamline prior authorization workflows between providers and payers. System resulted in average 10% reduction in approval time for key customers.
- Built automated diabetes management chatbot for UnitedHealth Foundation utilizing deep learning techniques in Java/Spring. Chatbot engaged over 10,000 high-risk patients, correlating with 15% reduction in ER visits year-over-year.
- Developed data pipelines and APIs in Java/Kafka to integrate clinical, financial and operational data from acquisitions into UnitedHealth Group core systems. Pipelines ingested over 5 billion records to date.
- Implemented data governance solutions at Optum using Hibernate Search/OpenLDAP to centrally manage user access and permissions for 50+ independent systems. Solutions achieved PCI/HIPAA compliance.
- Authored framework and tooling in Java/Gradle used across UnitedHealth Group to standardize architecture, security and development processes for 200+ microservices and cloud applications.
- Built scalable order processing microservices using Axon Framework to support prescription fulfillment for OptumRx's PBM business. Microservices grew to process over 1 million orders per day.
- Created AI/ML pipeline using Spark/Kudu to profile 50K+ Medicare Advantage members and enable automated risk adjustment for premiums. Pipeline improved risk accuracy by 13%.
- Developed low-code integration platform at Optum that connects disparate clinical and claims data sources via FHIR/HL7 to provider portals. Reduced custom integration project times by over 50%.
- Implemented identity and access management functions at UnitedHealthcare using Spring Security and OAuth2 to supportSingle Sign On for 1M+ providers.
- Spearheaded migration of core policy administration systems from COBOL to microservices architecture using Quarkus and MongoDB. Migration reduced operational costs by 30% and improved developer productivity by 5x.
- Developed clinician decision support application at Optum using natural language processing and Bayesian networks to enhance diagnostic accuracy. Clinical trials indicate 12% improvement versus unaided clinicians.
- Built DevOps toolchain in Ansible, GitLab and Spinnaker to unify development processes across 50+ engineers and enable deployment of code changes once per hour on average.