Marko Ritachka

Senior Software Engineer

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Senior Software Engineer with 7+ years experience building scalable SaaS products and high-reliability enterprise platforms. Broad skill set across full-stack product development, CI/CD infrastructure, and cloud-native backend systems. Proven ability to drive architecture, ship impactful features, and improve performance and security in complex environments.

Skills

Languages & Frameworks: JavaScript/TypeScript, Java, Spring Boot, Vue, React, Node.js, HTML/CSS, Python

Systems & DevOps: CI/CD Pipelines, Microservices, OAuth2, SQL/NoSQL Databases, Automated Testing, API Integrations

Cloud & Intelligence: GCP, OCI, AWS, Security & Compliance, Performance Optimization, ML/LLM Integration

Experience

Oracle — Bay Area, CA
Senior Software Engineer, Fusion Release Engineering (FABS CI/CD) — 11/2024 - Present

Platform engineer for Oracle Fusion's massive-scale internal CI/CD system, supporting thousands of component builds, deployments, and releases daily.

- Increased CI/CD reliability for new Spectra microservice CI/CD pipelines by implementing optimistic-locking and strengthening event-handling consistency, eliminating data loss under concurrent builds.
- Drove security compliance by enforcing mandatory vulnerability and secret-scanning gates for production-bound artifacts, ensuring accurate reporting for rebuilds and retriggers.
- Modernized integrations with critical internal services (ADE, ESE, CIHUB) through OAuth2 migration, caching layers, and connection pooling improvements to reduce latency and operations overhead.
- Enhanced developer experience by improving internal build and debugging tooling, reducing investigation time for failing builds and improving reporting clarity for component rollups.

Incept 3D — San Diego, CA
Lead Software Developer (Full-Stack) — 10/2018 - 11/2024

Only developer responsible for the architecture, development, and delivery of the commercial SaaS platform FormFactories, powering all revenue operations.

- Built and launched 3D-printing production SaaS adopted by a Fortune 500 client; scaled operations capacity 800% without additional support staff.
- Delivered instant ML-driven quoting and automated analytics workflow, reducing quote turnaround from days to milliseconds and increasing pricing accuracy.
- Developed remote machine monitoring and automation tools that drove 40% lift in daily output and improved machine uptime from 63% to 97%.
- Architected integrations for invoicing, logistics, and fleet management that increased daily order throughput 14x and reduced operational bottlenecks.
- Collaborated with leadership on product direction, compliance needs, and customer onboarding to open a new recurring-revenue channel for the company.

UC San Diego — San Diego, CA / Weaverville, CA
Software Developer & Engineering Consultant — 2015-2019

Client and community engineering work delivering apps, web tools, and technical program support.

- Delivered iOS and web apps for local startup clients and implemented MLS-integrated real-estate features. Supported community technology programs including 3D-printing labs and live event control systems.

Education

Bachelor of Science, Computer Science (2015 - 2019)   **University of California, San Diego**