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, SQL/NoSQL Databases, Automated Testing, API Integrations

Cloud & Intelligence: GCP/AWS/OCI, Security & Compliance, Performance Optimization, ML/AI/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.

- Managed core pipeline systems for reliability and event ingestion, including Quality Gates and Spectra Pipeline Events. Improved fault tolerance, eliminating concurrent-build data loss through optimistic-locking and resilient event handling.
- Enforced production-grade security and compliance by implementing mandatory vulnerability and secret-scanning gates, ensuring consistent policy enforcement and accurate quality metrics across retriggers and rebuilds.
- Led migration of legacy integrations into a dedicated microservice with modern authentication and caching layers, reducing latency and simplifying maintenance for critical internal developer tools.
- Designed and shipped internal debugging and observability tools (log viewer, pipeline event inspector, and error-context visualizers), improving developer workflows and significantly reducing investigation time for failed builds.

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

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

- Built and launched a scalable 3D-printing production SaaS platform, now used by various manufacturers including a Fortune 500 company; expanded operations capacity at Incept 3D by 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**