

Michael Federic

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Software Engineer with experience developing and maintaining production web applications using Java, Spring Boot, Angular, and SQL. Experienced in building REST APIs, backend services, authentication systems, containerized applications, and CI/CD workflows. Skilled in Agile development, automated testing, database optimization, cloud-based integrations, and application monitoring. Strong focus on writing maintainable, scalable, and reliable software.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, SQL

Backend & Frameworks: Spring Boot, Spring Framework, Spring Security, Angular, Node.js, REST APIs, Microservices

Security: OAuth2, Authentication, Authorization, GitHub OAuth, Google OAuth

Cloud & DevOps: Docker, Linux, Nginx, Git, GitHub Actions, CI/CD, Google Cloud Platform (GCP)

Observability: Grafana, Prometheus, Loki, Tempo, Fluent Bit, Monitoring, Logging, Distributed Tracing

Databases: MySQL, Redis

Testing: Unit Testing, Integration Testing, Selenium, Postman, TDD Principles

PROJECTS

Social Media Public Wall | *Spring Boot, Angular, MySQL, Redis, OAuth2, Docker*

<https://openspace.wroomzy.com/>

- Built a microservice-based app featuring a real-time message board that handles 5,000+ posts using Server-Sent Events (SSE).
- Implemented secure authentication and authorization using Spring Security OAuth2 with GitHub and Google identity providers.
- Containerized applications using Docker and configured Linux/Nginx environments for deployment.
- Deployed the services using Docker containers and set up Nginx on Linux to manage traffic routing.
- Implemented observability using Grafana, Prometheus, Loki, Tempo, and Fluent Bit for monitoring, logging, and tracing.

E-commerce Clothing App | *Java, Spring Boot, Spring Framework, Angular, MySQL, PayPal SDK and API, Linux, Nginx*

<https://shop.wroomzy.com/>

- Developed a full-stack e-commerce platform where users can browse products, manage carts, and complete secure transactions via PayPal.
- Integrated PayPal REST APIs for seamless payment processing and order management, ensuring data integrity and smooth checkout flow.

EXPERIENCE

Infosys

Mar 2022 – May 2023

Software Engineer

Hartford, CT

- Developed and optimized full-stack web applications utilizing Java, Spring Boot, and Angular, seamlessly integrating frontend and backend components to improve system response times by 25%.
- Practiced continuous integration and clean code standards through active participation in peer code reviews, collaborative merge requests, and technical knowledge sharing.
- Partnered closely with cross-functional stakeholders within Agile environments to analyze system logs, conduct root-cause analysis, and translate business requirements into technical solutions

EDUCATION

Central Connecticut State University

New Britain, CT

*Bachelor of Science in Computer Engineering Technology · GPA: 3.4
2021*

Dec 2018 – May