

# Ganesh Kanadam

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## SUMMARY

Skilled **Software Engineer** with **5** years of experience in designing, developing, and deploying scalable web applications. Proficient in Java, JavaScript, Spring Boot, Hibernate, AWS, and Microservices. Strong backend development expertise with hands-on experience in Oracle, MySQL, and PostgreSQL. Experienced in modern frontend development using React and TypeScript. Adept at delivering high-performance software solutions and improving system efficiency.

## EDUCATION

**Northern Illinois University, Illinois, USA**  
**Master of Science** – Computer Science

Aug 2021 – May 2023

## PROFESSIONAL EXPERIENCE

**Kroger** | Cincinnati, OH

July 2023 – Present

### Software Developer (Full Stack)

- Worked towards the design and implementation of a scalable system back-end using Java and Spring Boot within a microservices architecture, ensuring seamless application functionality, resulting 25% improvement in system performance.
- Built and optimized frontend components using React and TypeScript for a customer-facing portal, improving user interaction speed by 30% and reducing UI-related bugs by 25%.
- Restructured database schemas in AWS RDBMS, leading to a 40% increase in data retrieval speed and reduction in latency.
- Designed and orchestrated containerized applications using Kubernetes and Docker, optimizing deployment and scalability on AWS EC2 instances. This effort achieved a 40% improvement in resource utilization and ensured high availability.
- Developed rigorous unit tests and integration tests using JUnit in conjunction with Mockito, resulting in a 20% reduction in bugs and enhancing the overall reliability of various application components.
- Fostered seamless collaboration and version control across the development team using Git.

**Northern Illinois University** | DeKalb, IL

June 2022 – May 2023

### Web Developer

- Worked towards development and enhancement of Java-based web applications for project focused. Collaborated seamlessly with cross-functional teams, resulting in a 20% increase in user engagement for the platform.
- Collaborated closely with cross-functional teams to gather requirements, design software solutions, and ensure seamless integration. Regularly provided status reports, contributing to a 20% improvement in overall project coordination and communication.
- Established a J2EE-based architecture incorporating layers, server-side objects, and client-side interfaces using design patterns. Integrated RESTful web services, resulting in a 30% enhancement in the functionality of travel and rewards applications.
- Implemented systematic unit tests using JUnit in collaboration with Mockito, contributing to a 20% reduction in critical bugs across various components, significantly improving the robustness of the software.
- Implemented Java EE components using Spring MVC, Spring Boot, Spring IOC, Spring transactions, and Spring security modules, resulting in a 20% improvement in system robustness.

**Makwiz Technologies** | Hyderabad, INDIA

Jan 2020 – June 2021

### Software Engineer

- Developed a GraphQL API with Node.js, resulting in a 50% reduction in server maintenance costs and a 30% improvement in backend logic scalability.
- Achieved a 40% decrease in response times compared to traditional REST APIs through the implementation of efficient GraphQL types and resolvers.
- Designed and executed a CI/CD pipeline using Docker, Jenkins, and Terraform, leading to a 25% reduction in deployment time.
- Elevated software quality with Jest by implementing unit and integration tests, resulting in a 25% reduction in bugs & errors.
- Designed and developed REST APIs using Spring Boot, Java, and Object-Oriented Principles, resulting in a 30% improvement in CRUD operation efficiency on resources in the Oracle Database.
- Streamlined the deployment process and reduced configuration errors by 20% through the implementation of Maven profiles and property management for different deployment environments.
- Enhanced web application development using Spring MVC and Spring Boot frameworks, resulting in a 20% improvement in application responsiveness and user experience.
- Designed and developed various modules of the application with J2EE design architecture, Spring MVC architecture, and Spring Bean Factory using IOC and AOP.

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, Python, C++

**Web Technologies:** HTML/HTML5, CSS/CSS3, ReactJS, XML, JSON, Bootstrap

**Technologies:** Spring Boot, IntelliJ, VS Code, Jira, Kafka, Mockito, Bamboo, GraphQL, gRPC, TDD, BDD, Eureka, Junit

**Cloud Platform:** AWS (EC2, AWS lambda, S3, CDK, SQS, CloudWatch)

**Database:** MongoDB, MySQL, Redis

**Other tools & S/w:** Docker, Kubernetes, Jenkins, Git, CI/CD, REST API, Web Services, OAuth2, JWT, SonarQube, Maven