Rachel Green

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Professional Summary

Design, develop, and maintain scalable microservices using Java, Spring Boot, and Spring Cloud. Proven expertise in using tools like Docker and Kubernetes to manage microservices at scale. Led a team of 5 developers in delivering a new microservice-based application that increased user engagement by 25%. Strong Agile/Scrum methodologies and experience with CI/CD pipelines and test automation for continuous delivery.

Professional Experience

Software Developer
Learning Solutions (Denver, CO)
2017-01-01 - 2019-01-01
■ • Led the design and implementation of a gamification framework that increased student engagement by 20%. • Architected and scaled a microservice-based content management platform, reducing development time by 15%. • Implemented CI/CD pipelines and automated testing, resulting in a 20% reduction in production bugs. • Optimized the microservices architecture, reducing latency by 10% and improving performance by 15%. • Implemented a new monitoring and alerting system, reducing incident resolution time by 25%. • Designed and implemented a RESTful API that reduced API testing time by 30%. • Successfully migrated a legacy application to a containerized environment, reducing deployment time by 10%.

Junior Developer
Tech Startup (Denver, CO)
2016-01-01 - 2017-01-01
■ • Led the development of a scalable microservices architecture using Spring Boot and Spring Cloud, resulting in a 20% reduction in development time and a 15% improvement in performance. • Architected and implemented a new microservices integration platform using RESTful APIs and Kafka, streamlining communication between different components and reducing latency by 10%. • Optimized the CI/CD pipeline for microservices deployments, reducing build times from 2 days to 1 day and minimizing downtime during deployments. • Implemented a new monitoring system for microservices, providing real-time insights into performance and resource utilization, leading to a 10% reduction in troubleshooting time. • Implemented a robust unit testing framework for microservices, reducing bug occurrences by 25%. • Designed and implemented a new microservices architecture using Docker and Kubernetes, resulting in a 30% reduction in deployment time and improved scalability.

Full Stack Developer
EdTech Company (Denver, CO)
2019-01-01 - Present
■ • Led the design and implementation of a scalable microservices architecture using Spring Boot and Docker. • Optimized application performance by 25% through implementing a comprehensive CI/CD pipeline and automated testing framework. • Architected and developed a robust microservices integration platform that seamlessly connects various databases, messaging systems, and external services. • Implemented a robust monitoring and logging system to ensure continuous performance and identify potential issues. • Implemented a comprehensive training program for new engineers, resulting in a 20% reduction in onboarding time. • Delivered a high-quality educational software application on a tight deadline, exceeding customer expectations. • Optimized the application for improved performance and user experience. • Implemented a microservices-based solution that reduced development time by 30%. • Reduced operational costs

by 15% through automation of repetitive tasks and improved resource allocation.

Education

Master of Science in Software Engineering
University of Colorado Denver

Bachelor of Science in Computer Science
Colorado State University

Skills

technical:
React, Node.js

soft:
Communication

tools:
Docker, Git

languages:

Projects

Improved application performance by 25% through optimization
Project Description Enhancements • Led the optimization of a K-12 educational application by implementing machine learning techniques, resulting in a 25% improvement in application performance. • Architected and implemented a scalable microservices architecture using Spring Boot and Spring Cloud, achieving a 10% reduction in development time and 15% improvement in scalability. • Optimized the application's performance by implementing a robust CI/CD pipeline, resulting in a 20% reduction in build times and a 10% decrease in deployment errors. • Implemented a new microservice monitoring system using Prometheus and Grafana, providing real-time insights into application health and performance. • Delivered a comprehensive training program for junior engineers, resulting in a 15% improvement in their microservice development skills. • Optimized the application's security by implementing robust authentication and authorization mechanisms, reducing the risk of unauthorized access by 30%.
Technologies: React, Node.js
Live Demo: https://github.com/RachelGreen/optimization-project | GitHub: https://github.com/RachelGreen/optimization-project

Developer of the Month award (2022)
Project Description Enhancements • Led the development of a scalable microservices architecture using Spring Boot and Docker, resulting in a 20% reduction in development time and a 15% improvement in performance. • Architected and implemented a robust CI/CD pipeline, automating the build, testing, and deployment of microservices, reducing manual effort by 30%. • Delivered a comprehensive training program for junior engineers on microservice design principles and best practices, resulting in a 10% improvement in team productivity. • Optimized the microservices architecture by implementing a new monitoring and logging system, resulting in a 10% reduction in downtime and a 15% improvement in resource utilization. • Implemented a new microservice communication mechanism using Kafka, reducing communication latency by 20%. • Demonstrated exceptional problem-solving skills by resolving a critical issue in a live production environment, saving the company $10,000 in revenue.
Technologies: React, Node.js
Live Demo: https://rachelgreen.github.io/awards/

Certifications

AWS Certified Developer Associate - Amazon Web Services
2022-01-01

React Developer Certification - React Developer Certification
2020-01-01

Scrum Master Certified (CSM) - Scrum Alliance
2019-01-01