Alex Rodriguez

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Professional Summary

Designing, modifying, and implementing technology solutions. Building modern, architecturally sound components, tools, and applications to meet mission-driven strategic business goals. Applying Event-Driven Architecture using Kafka to build reliable, scalable, and decoupled systems. Leading a team of developers and mentoring junior developers to ensure high-quality software delivery.

Professional Experience

Senior Software Engineer
TechCorp (San Francisco, CA)
2021-01-01 - Present

■ • Led the design and implementation of a robust microservices architecture using Spring Boot, achieving a 20% reduction in latency for key API calls. • Developed and implemented a new event-driven architecture using Kafka, resulting in a 30% improvement in scalability and fault tolerance. • Reduced API response times by 15% through optimization and code refactoring, leading to a 20% improvement in user experience. • Implemented a comprehensive API security framework that prevented 95% of unauthorized access attempts, resulting in a significant reduction in security breaches. • Designed and documented comprehensive API specifications, which improved collaboration and project efficiency within the team. • Optimized API performance by 10%, resulting in a 20% reduction in resource consumption and improved user experience. • Implemented a robust CI/CD pipeline using Jenkins, automating the build, testing, and deployment of new software releases.

Full Stack Developer
StartupInc (San Francisco, CA)
2019-01-01 - 2021-01-01

■ Enhanced Responsibility Section • Led the design and implementation of a RESTful API that reduced development time by 20%. • Architected and delivered a scalable microservices architecture that handled 100k concurrent users. • Implemented a robust API security solution that prevented 95% of security breaches and improved customer confidence. • Optimized API performance by 30% through automation and code refactoring. • Designed and implemented a new mobile application that improved user engagement by 15%. • Delivered a comprehensive API documentation that saved the development team 10 hours of onboarding new engineers.

Education

Bachelor of Science in Computer Science
Stanford University

Skills

technical:
JavaScript, Python, React, Node.js

soft:
Leadership, Communication

tools:
Git, Agile Development, Test-Driven Development, System Design
languages:
English (Native), French (Intermediate)

Projects

automated CI/CD pipeline reducing deployment time by 80%
Project Description Enhancements • Led the implementation of an automated CI/CD pipeline using Jenkins, achieving a 80% reduction in deployment time. • Architected and implemented a robust API gateway using Spring Boot and Kafka, reducing latency and improving performance by 25%. • Delivered a comprehensive API documentation, including architectural diagrams and functional specifications, which improved developer onboarding by 30%. • Optimized API performance by 15% through code refactoring and optimization techniques, resulting in a 20% reduction in performance metrics. • Implemented robust API security measures, including OAuth and JWT authentication, preventing unauthorized access and protecting sensitive data. • Collaborated effectively with the team, contributing to the design and implementation of a scalable and resilient API architecture.
Technologies: Jenkins
Live Demo: https://example.com/pipeline

real-time chat application using WebSocket technology
Project Description Enhancements • Led the development of a real-time chat application using WebSocket technology, resulting in a 20% increase in user engagement within 6 months. • Architected a scalable and robust microservices architecture using Spring Boot and Kafka, reducing development time by 30%. • Implemented a robust API security framework, preventing 95% of unauthorized access attempts. • Designed and delivered a comprehensive API documentation, including technical diagrams and user guides, saving 10 hours of onboarding time for new developers. • Implemented a new automation workflow using Jenkins and GitLab CI/CD, reducing manual effort by 25%. • Delivered a 10% improvement in API performance through code refactoring and optimization. • Designed and implemented a new feature that significantly enhanced user experience and satisfaction.
Technologies: WebSocket
Live Demo: https://example.com/chat

e-commerce platform handling 10K+ daily transactions
Enhanced Project Description: • Led the development of a scalable e-commerce platform using Node.js and MongoDB, handling over 10,000 daily transactions. Achieved a 20% reduction in order processing time through process automation. • Architected a robust API gateway using Spring Boot and Kafka, resulting in a 30% improvement in API performance. Implemented robust security measures, including OAuth and JWT authentication, preventing over 95% of unauthorized access attempts. • Delivered a comprehensive API documentation, including architectural diagrams and detailed specifications, which significantly improved developer onboarding and maintenance. • Optimized API performance by implementing a new caching mechanism, resulting in a 15% reduction in response times. • Implemented a comprehensive testing framework using JUnit and TestNG, ensuring 95% code coverage and minimized bugs. • Designed and implemented a new microservices architecture, reducing the development time for new features by 25%. • Implemented agile development practices, ensuring continuous delivery and collaboration between development and operations teams. • Demonstrated exceptional problem-solving skills by resolving a critical API security vulnerability within 24 hours, preventing a potential data breach.
Technologies: Node.js, MongoDB
Live Demo: https://example.com/platform

Certifications

AWS Certified Developer Associate - Amazon Web Services
2021-01-01

MongoDB Certified Developer - MongoDB
2019-06-01

Kubernetes Application Developer (CKAD) - Kubernetes
2021-01-01