

Emma Rodriguez

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Professional Summary

Designing, building, and implementing technology solutions that meet mission-driven strategic business goals is my passion. My 5+ years of software engineering experience in developing integrated and secure enterprise or web-based applications using Java/J2EE has honed my expertise in Spring Boot, Microservices, REST APIs, and Event-Driven Architecture (Kafka). I excel in leading teams to success, delivering high-quality software solutions, and optimizing API performance and availability. My deep understanding of API design principles, robust security practices, and continuous integration/continuous delivery (CI/CD) methodologies ensures robust and scalable software solutions. I am a collaborative and results-oriented professional with a strong track record of delivering impactful software solutions that meet business requirements.

Professional Experience

Web Developer

Freelance (Austin, TX)

2016-01-01 - 2018-01-01

■ Led the design and implementation of a new microservices-based API platform, resulting in a 25% reduction in response times and a 10% increase in user satisfaction. Architected and built a scalable and secure web application with a focus on user experience, achieving a 95% user acceptance rate. Implemented a robust CI/CD pipeline using Jenkins and Bitbucket, streamlining the development and deployment process by 30%. Optimized API performance by 15% through the implementation of a new caching mechanism, leading to a 20% improvement in transaction processing speed. Designed and implemented a new API documentation tool, reducing onboarding time for new developers by 20%. Delivered a comprehensive API training program, resulting in a 90% increase in developer skill proficiency and a 10% reduction in training time.

Senior Frontend Engineer

TechCorp (Austin, TX)

2020-01-01 - Present

■ • Led the development of a highly responsive web application using React, resulting in a 40% improvement in application performance through optimization. • Architected a scalable and robust microservices architecture for a large e-commerce platform, reducing development time by 25%. • Delivered a comprehensive API documentation that covered all aspects of the API design and functionality. • Optimized API performance by implementing a new caching mechanism that reduced response times by 30%. • Implemented a robust authentication system using OAuth and JWT, securing sensitive user data and preventing unauthorized access. • Collaborated closely with front-end and mobile developers to ensure seamless integration of APIs and cohesive user experience. • Demonstrated expertise in writing, documenting, and building REST APIs, with a focus on API security best practices. • Secured the company's API with robust authentication and authorization mechanisms, preventing unauthorized access and protecting sensitive data. • Played a key role in the design and implementation of a new microservices architecture that reduced development time by 25%. • Contributed to the development of comprehensive unit and automation test coverage for the company's flagship application.

Frontend Developer

StartupTech (Austin, TX)

2018-01-01 - 2020-01-01

■ • Led the design and implementation of a new microservices architecture that reduced latency by 20%. • Optimized API performance by 30% through implementing a new caching mechanism. • Developed and implemented a REST API that reduced development time by 15% and improved data quality by 10%. • Architected and built a scalable and secure SaaS platform with over 1 million users. • Implemented a new event-driven architecture that reduced latency by 30% and improved system responsiveness by 10%. • Designed and implemented a comprehensive API security strategy that prevented over 90% of security breaches. • Developed and implemented a new API documentation tool that saved the team 10 hours of development time.

Education

Bachelor of Science in Computer Science

University of Texas at Austin

Skills

technical:

JavaScript, TypeScript, React, Vue.js, Angular

soft:

Leadership, Communication

tools:

Node.js, Express.js, RESTful APIs

languages:

English (Native), Spanish (Native)

Projects

Real-time chat application using WebSocket technology

Project Description Enhancements • Led the development of a real-time chat application with 50K+ active users, achieving a 25% increase in user engagement within 6 months. • Architected and implemented a robust microservices architecture using Spring Boot and Kafka, resulting in a 30% improvement in scalability and fault tolerance. • Optimized API performance by 15% through the implementation of asynchronous messaging and caching techniques, leading to a 20% reduction in response times. • Designed and implemented a comprehensive API documentation that reduced onboarding time for new developers by 10%. • Delivered a high-quality software solution that met all functional and non-functional requirements, resulting in a 95% customer satisfaction rate.

Technologies: WebSocket

Live Demo: [live platform URL](#) | GitHub: [GitHub repository URL](#)

Progressive Web App for mobile-first experience

Project Description • Led the development of a progressive web app with 10K+ active users, achieving a 25% increase in user engagement within 6 months. • Architected a scalable microservices architecture using Spring Boot and Kafka, resulting in a 15% reduction in development time and a 20% improvement in scalability. • Implemented a robust API security framework, reducing security vulnerabilities by 30% and improving customer trust. • Optimized API performance by 10% through the implementation of advanced caching techniques, resulting in a 20% reduction in response times. • Designed and implemented a comprehensive API documentation, reducing onboarding time for new developers by 10%. • Delivered the project on time and within budget, meeting all project milestones and quality standards.

Technologies: React

Live Demo: [live platform URL](#) | GitHub: [GitHub repository URL](#)

E-commerce platform with React and Node.js

Project Description Enhancements • Led the design and implementation of a scalable e-commerce platform using React and Node.js, handling 1M+ users, resulting in a 25% reduction in transaction processing time. • Architected and built a robust API gateway using Spring Boot and Kafka, reducing latency by 30% and improving scalability by 50%. • Delivered a comprehensive API documentation, including architectural diagrams, use cases, and API specifications, which significantly improved developer onboarding and reduced onboarding time by 15%. • Optimized API performance by implementing a new caching mechanism, resulting in a 10% improvement in response times and a 20% reduction in latency. • Implemented a robust security framework, including OAuth and JWT authentication, authorization, and encryption, preventing over 95% of unauthorized access attempts. • Designed and implemented a new microservices architecture using Spring Boot, resulting in improved modularity, scalability, and maintainability. • Delivered a clear and concise project roadmap, outlining the project scope, timeline, and key milestones, which effectively communicated the project's value to stakeholders.

Technologies: React, Node.js

Live Demo: [live platform URL](#) | GitHub: [GitHub repository URL](#)

Certifications

Certification name - Issuing organization

Date obtained

Achievements

■ Best Frontend Developer Award 2022