Michael Rodriguez

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Professional Summary

Experienced backend developer with a passion for creating scalable and efficient server-side solutions. With 8 years in the industry, I've honed my skills in designing and implementing robust APIs, optimizing database performance, and ensuring system security. I thrive in collaborative environments and am committed to delivering high-quality software that meets user needs.

Skills

- **Programming Languages:** Python, Java, JavaScript
- **Backend Frameworks:** Django, Flask, Spring Boot, Express.js
- **Database Technologies:** MySQL, PostgreSQL, MongoDB, Redis
- **RESTful API Development:** OpenAPI, Swagger, Postman
- **Cloud Platforms:** AWS, Microsoft Azure, Google Cloud Platform
- **DevOps:** Docker, Kubernetes, Jenkins, Terraform
- **Version Control:** Git, GitHub, GitLab
- **Security:** Authentication, Authorization, Encryption
- **Agile Methodologies:** Scrum, Kanban

Professional Experience

Senior Backend Developer
CodeCraft Solutions, Codeville, CA
July 2018 – Present

- Designed and developed RESTful APIs for a range of applications using Django and Flask, focusing on scalability and maintainability.
- Optimized database performance by fine-tuning queries, indexing, and denormalization techniques, resulting in significant improvements in response times.
- Implemented authentication and authorization mechanisms to ensure data security and user privacy.
- Collaborated with front-end and mobile developers to integrate backend services into various platforms.

Backend Engineer
DataTech Innovations, Codeville, CA
January 2014 – June 2018

- Developed backend systems for web and mobile applications using Java Spring Boot and Hibernate, ensuring robustness and reliability.
- Designed and implemented data models and schemas for relational and NoSQL databases, including MySQL, PostgreSQL, and MongoDB.
- Automated deployment and infrastructure management using Docker and Kubernetes, streamlining the development and deployment process.
- Conducted code reviews and provided technical guidance to junior developers to maintain code quality and standards.

Education

Bachelor of Science in Computer Science
University of California, Codeville, CA
Graduated: May 2013

Certifications

- AWS Certified Developer – Associate
- Certified ScrumMaster (CSM)
- Oracle Certified Professional, Java SE 8 Programmer

Projects

- **E-commerce Platform:** Developed a scalable e-commerce platform using Django and PostgreSQL, handling high traffic and transaction volumes.
- **Real-time Chat Application:** Built a real-time chat application with Express.js and Socket.IO, allowing users to communicate instantly.
- **Inventory Management System:** Designed an inventory management system with Java Spring Boot and MySQL, optimizing stock tracking and order processing.

Professional Affiliations

- Member, Association for Computing Machinery (ACM)
- Member, Institute of Electrical and Electronics Engineers (IEEE)