ALEX RODRIGUEZ

Senior Software Engineer

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SUMMARY

Highly skilled Senior Software Engineer with 8+ years of experience developing scalable applications with Python, Java, and JavaScript. Proven track record of implementing robust backend systems and optimizing performance in cloud environments. Expertise in machine learning and data analysis.

SKILLS

Programming Languages: Python, Java, JavaScript, HTML, CSS, SQL

Frameworks/Libraries: Django, Flask, React, Angular, TensorFlow, PyTorch, Node, Express

Database: SQL, NoSQL, MongoDB, PostgreSQL

Cloud Technologies: AWS, Azure, GCP, Docker, Kubernetes

Tools: Git, JIRA, Confluence, Jenkins

Methodologies: Agile, Scrum, Test-Driven Development

PROFESSIONAL EXPERIENCE

SENIOR SOFTWARE ENGINEER

Tech Innovations Inc.   *San Francisco, CA | Jan. 2021 - Present*

- Lead a team of 5 Full Stack Engineers developing cloud-based solutions using Python and React
- Architected and implemented Machine Learning algorithms for predictive analytics, increasing accuracy by 35%
- Optimized database queries resulting in 40% improvement in application performance
- Implemented DevOps practices using Docker and Kubernetes, reducing deployment time by 60%

SOFTWARE ENGINEER

Data Systems Corporation   *San Jose, CA | Mar. 2018 - Dec. 2020*

- Developed backend APIs using Python, Django, and Flask with SQL and NoSQL databases
- Created data visualization dashboards with React and D3.js for complex data analysis
- Collaborated with Data Scientists to integrate Machine Learning models into production systems
- Implemented CI/CD pipelines using Git, Jenkins, and AWS

JUNIOR DEVELOPER

Web Solutions LLC   *Oakland, CA | Jun. 2016 - Feb. 2018*

- Built responsive web applications using HTML, CSS, and JavaScript
- Developed RESTful APIs using Node.js and Express
- Maintained and optimized SQL databases for performance and scalability
- Participated in Agile development cycles and daily Scrum meetings

EDUCATION

MASTER OF SCIENCE IN COMPUTER SCIENCE

University of California, Berkeley   *Berkeley, CA | 2016*

- Specialization in Machine Learning and Artificial Intelligence
- GPA: 3.9/4.0

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Stanford University   *Stanford, CA | 2014*

- Minor in Data Science
- GPA: 3.8/4.0

INTELLIGENT TRAFFIC ANALYSIS SYSTEM
- Developed Computer Vision system using PyTorch to analyze traffic patterns
- Implemented NLP algorithms to process and categorize user feedback
- Deployed on AWS using Docker containers and Kubernetes for scalability

PREDICTIVE ANALYTICS DASHBOARD
- Created a full-stack application using React, Python, and TensorFlow
- Designed intuitive Data Visualization components for complex datasets
- Implemented CI/CD pipeline with automated testing using Git and Jenkins