Alex Johnson

Software Engineer – Python & Machine Learning

Summary

Results-driven Software Engineer with 4+ years of experience building scalable Python applications, machine-learning pipelines, and data-driven systems. Strong background in model development, API integration, and deploying ML solutions to production environments. Adept at collaborating with cross-functional teams to deliver high-impact features.

Technical Skills

• Programming: Python, SQL, Bash

• ML & Data: scikit-learn, TensorFlow, PyTorch, Pandas, NumPy

• Tools: Git, Docker, FastAPI, Linux, AWS

• Concepts: Feature engineering, model training/evaluation, CI/CD

Experience

Software Engineer (Machine Learning) – DataNova Solutions (2021–Present)

• Designed and deployed ML models improving prediction accuracy by 18% across products.

• Built end-to-end Python pipelines for data ingestion, preprocessing, and model retraining.

• Developed FastAPI services serving ML models with <2s response time.

• Collaborated with engineering and product teams to optimize features and data workflows.

Python Developer – CloudEdge Systems (2019–2021)

• Developed backend components and REST APIs powering high-traffic applications.

• Improved data-processing efficiency by 30% through optimized Python scripts.

• Supported deployment processes using Docker and AWS EC2/Lambda.

Projects

ML■Powered Resume Screening Tool

• Built NLP■based ranking system using embeddings and cosine similarity.

• Automated candidate shortlisting, reducing manual review time by 40%.

Education

B.S. in Computer Science – University of Illinois

Certifications

• AWS Certified Cloud Practitioner

• TensorFlow Developer Certificate

Additional

• Strong communication and documentation skills

• Passion for clean code, performance optimization, and scalable ML systems