Carol Davis
Senior Software Engineer

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Location: Seattle, WA

PROFESSIONAL SUMMARY
Highly skilled Senior Software Engineer with 8+ years of experience in Python development, microservices architecture, and cloud computing. Expertise in building scalable applications, leading technical teams, and implementing best practices for software development lifecycle.

CORE COMPETENCIES
Programming: Python, Go, JavaScript, TypeScript, SQL, Bash
Frameworks: Django, Flask, FastAPI, React.js, Node.js
Databases: PostgreSQL, MongoDB, Redis, Elasticsearch
Cloud Platforms: AWS (EC2, S3, RDS, Lambda, EKS), Google Cloud Platform
DevOps: Docker, Kubernetes, Jenkins, GitLab CI, Terraform
Testing: pytest, unittest, TDD, Integration Testing, Load Testing
Architecture: Microservices, RESTful APIs, GraphQL, Event-driven Architecture

PROFESSIONAL EXPERIENCE

Senior Software Engineer | CloudTech Solutions | 2019 - Present
- Architect and develop microservices handling 10M+ daily requests
- Lead technical design discussions and code review processes
- Optimize PostgreSQL database performance and design scalable schemas
- Deploy applications on AWS using Docker containers and Kubernetes
- Implement comprehensive monitoring and logging solutions
- Mentor team of 6 engineers and conduct technical interviews
- Practice test-driven development with 98% code coverage
- Collaborate with product managers on feature planning and estimation

Software Engineer | DataCorp Analytics | 2017 - 2019
- Built data processing pipelines using Python and Apache Kafka
- Developed REST APIs serving analytics data to frontend applications
- Implemented caching layers with Redis for improved performance
- Worked in Agile teams with 2-week sprint cycles
- Contributed to open-source Python libraries used company-wide
- Participated in on-call rotation for production system support

Python Developer | FinTech Startup | 2015 - 2017
- Developed financial applications with strict security requirements
- Built automated trading algorithms using Python and pandas
- Integrated with external APIs for real-time market data
- Implemented comprehensive logging and monitoring systems
- Worked closely with compliance team on regulatory requirements

EDUCATION
Master of Science in Computer Science | Stanford University | 2015
- Specialization: Distributed Systems and Machine Learning
- Thesis: "Scalable Machine Learning Pipeline Architecture"
- GPA: 3.8/4.0

Bachelor of Science in Software Engineering | UC Berkeley | 2013
- Magna Cum Laude, GPA: 3.9/4.0
- President of Computer Science Student Association

CERTIFICATIONS & ACHIEVEMENTS
- AWS Certified Solutions Architect - Professional (2023)
- AWS Certified Developer - Associate (2021)
- Certified Kubernetes Administrator (CKA) (2022)
- Speaker at PyCon 2023: "Building Resilient Microservices"
- Technical blog with 50K+ monthly readers

NOTABLE PROJECTS
- Payment Processing System: Designed fault-tolerant system processing $100M+ annually
- Real-time Analytics Platform: Built using Python, Kafka, and React serving 1000+ concurrent users
- ML Model Deployment Pipeline: Created automated ML ops pipeline reducing deployment time by 80%
- Open Source Contribution: Core contributor to popular Python web framework (5000+ GitHub stars)

LEADERSHIP & MENTORING
- Technical lead for 15-person engineering team
- Established coding standards and development processes
- Mentored 12 junior developers, 8 received promotions
- Led company-wide Python training workshops
- Organized internal tech talks and knowledge sharing sessions