Curriculum Vitae (CV)

Rohan Gupta
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Located: Gandhinagar, India

Personal Summary

A highly motivated and results-driven Software Engineer with 8+ years of comprehensive experience in designing, developing, and deploying robust software solutions across various domains. Proven ability to lead cross-functional teams, implement advanced AI/ML algorithms, and optimize cloud infrastructure for peak performance and scalability. Committed to continuous learning and applying cutting-edge technologies to solve complex problems and drive innovation.

Core Competencies

- Full-Stack Development (Java, Python, JavaScript)
- Cloud Architecture & Management (AWS, Azure, GCP)
- Artificial Intelligence & Machine Learning (Deep Learning, NLP, CV)
- Microservices & Scalable System Design
- DevOps & CI/CD Implementation
- Project Leadership & Team Collaboration
- Performance Optimization & System Reliability

Technical Skills

- Programming Languages: Java, Python, JavaScript, SQL, C++
- Web Technologies: HTML, CSS, React.js (basic)
- Frameworks/Libraries: Spring Boot, Hibernate, Struts, Django, Flask, TensorFlow, PyTorch, Scikit-learn, Keras
- Cloud Platforms: Amazon Web Services (AWS EC2, S3, Lambda, SageMaker), Microsoft Azure, Google Cloud Platform
- DevOps Tools: Docker, Kubernetes, Jenkins, Git, GitLab CI/CD, Terraform
- Databases: MySQL, PostgreSQL, MongoDB, Cassandra
- AI/ML Techniques: Supervised & Unsupervised Learning, Reinforcement Learning, Generative Adversarial Networks (GANs), Recommendation Systems, Anomaly Detection
- Operating Systems: Linux, Windows, macOS

Work Experience

Software Engineer | Microsoft
Redmond, WA (2020 – Present)
- Led the development and integration of AI services into enterprise applications, improving user engagement by 15% and automating key business processes.
- Designed and implemented scalable microservices architectures using Java Spring Boot, handling over 10,000 requests per second with 99.9% uptime.
- Collaborated with DevOps teams to automate deployment pipelines using Azure DevOps and Kubernetes, reducing release cycles by 30%.
- Mentored junior engineers, conducted code reviews, and fostered best practices in software development and cloud security.

Software Engineer | Google
Mountain View, CA (2016 – 2020)
- Developed high-performance machine learning models for fraud detection, reducing fraudulent transactions by 25% across payment platforms.
- Optimized cloud resource utilization on GCP, resulting in a 20% cost reduction for AI model training and inference.
- Contributed to the design and implementation of Natural Language Processing (NLP) solutions for internal search and data classification.
- Participated in full software development lifecycle from requirements gathering to deployment and maintenance.

Software Developer Intern | JP Morgan

New Delhi, India (06/2015 – 05/2016)
• Assisted in the development and enhancement of core enterprise banking
applications using Java and Python.
• Created automation scripts that streamlined testing and deployment procedures,
leading to a 40% reduction in manual errors.
• Built initial machine learning prototypes for cybersecurity, focusing on
anomaly detection in network traffic.

Education

B.Tech, Computer Engineering | Pandit Deendayal Energy University
Gandhinagar, India
Graduated: May 2015
• Relevant coursework included: Data Structures and Algorithms, Operating
Systems, Database Management Systems, Artificial Intelligence, Machine Learning.

Certifications
• AWS Certified Solutions Architect – Professional (2022)
• Google Professional Cloud Developer (2021)
• Certified ScrumMaster (CSM) (2019)

Awards & Recognition
• Microsoft Hackathon Winner – AI for Accessibility (2021)
• Google Peer Recognition Award – Innovation in ML Infrastructure (2019)

Languages
• English (Fluent)
• Hindi (Native)
• Gujarati (Native)