

# Amit Joshi

**AWS | Terraform | CI/CD | Docker | GenAI | Python**

## Contact

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## Professional Summary

Dynamic DevOps and GenAI developer with deep expertise in AWS, Terraform, Kubernetes, and modern CI/CD pipelines, alongside hands-on experience in developing and optimizing LLM workflows and integrating cloud-native GenAI solutions. Proven ability to design scalable, secure, and cost-efficient infrastructures, including HIPAA-compliant and multi-tenant systems. Skilled at leading cross-functional teams, driving GenAI innovation, and improving product performance by up to 40% while cutting costs by 50%. Strong background in compliance (SOC2, HIPAA), infrastructure automation, and scaling complex systems. Passionate about leveraging cutting-edge tools to ensure seamless deployment, operational excellence, and high availability.

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## Core Skills

- **Cloud Platforms:** AWS (Expert), GCP, Azure
  - **DevOps Tools:** Terraform, Docker, Kubernetes, Ansible, Jenkins, GitHub Actions
  - **Infrastructure Automation:** CloudFormation, Prometheus, Grafana
  - **Programming Languages:** Python, Bash, Go
  - **Monitoring & Security:** ELK Stack, Vanta, CloudFlare, Certbot
  - **Other Technologies:** Nginx, HAProxy, Envoy Proxy, PostgreSQL
  - **GenAI:** OpenAI, Claude, Llama, Azure AI, AWS Bedrock, RAG, Prompt Engineering
  - **Compliance:** HIPAA, SOC2
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## Professional Experience

### Leapfrog Technology Inc.

#### **Solution Architect, DevOps**

*Dec 2023 – Present*

- Drove technical solutions from concept to deployment.
- Built a HIPAA-compliant, multi-tenant serverless system with data isolation and rapid tenant onboarding.
- Improved performance of a product by 10x (100+ pages to 1000+ pages).
- Optimized GenAI product performance by 40% and cost reduction by 50%.
- Researched GenAI models to establish the company's GenAI development services.
- Spearheaded the development of GenAI products, driving innovation and efficiency.

- Improve EdTech products turn-around time by automating time-consuming manual work using GenAI.
- Led AWS efforts, earning APN Advanced membership and growing certified engineers from 4 to 20+.

### **Principal Engineer, DevOps**

*Dec 2021 – Dec 2023*

- Engineered multi-stage deployment architectures for diverse client projects.
- Expanded DevOps team from 5 to 20+, enhancing skills and aligning roles.
- Scaled a product to handle data sources by 500% (from 8 external connections to 40+).
- Streamlined CI/CD, boosting deployment frequency by 400%, from monthly to weekly.
- Conducted compliance audits for HIPAA, SOC2, and other standards.
- Re-architect a ETL pipeline from time-based processing to near real time processing.

### **Lead Engineer, DevOps**

*Dec 2020 – Dec 2021*

- Delivered DevOps solutions, ensuring high availability and minimal downtime.
- For a microservice based product, reduced deployment time by 20% and new service onboarding of by more than 90%.
- Built a hybrid cloud setup with seamless in-house database integration.
- Improvement on an existing AWS based product to decrease cost by 30%.
- Automated deployment pipelines for microservices architecture.
- Created company-wide documentation standards for DevOps processes.

## **Smart Ideas Pvt. Ltd. (HamroPatro)**

### **Engineering Manager**

*Jul 2020 – Dec 2020*

- Oversaw research and development for blockchain and microservices-based products.
- Developed a service discovery and deployment system using Go and Docker.

### **Research Engineer/Sr. Research Engineer/Team Lead**

*Jul 2017 – Jun 2020*

- Led development of blockchain-based solutions and Ethereum-based applications.
- Developed server monitoring systems using Prometheus and Grafana.

## **Javra Software Pvt. Ltd.**

### **Software Engineer**

*May 2016 – June 2017*

- Enhanced eCommerce search functionality with fuzzy search and multilingual support.
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## **Education**

- **Bachelor of Engineering in Computer Science**  
Kathmandu University, 2015

*References and recommendations can be provided upon request.*