

Vikash Kumar

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PROFESSIONAL SUMMARY

Senior Backend & AI Platform Engineer with 4+ years of enterprise experience at Infosys building secure, scalable, cloud-native systems across telecom and financial domains. Specialized in Generative AI integration, LLM-enabled automation, API gateway architecture, Kubernetes orchestration, and DevSecOps. Proven ability to design production-grade microservices, automate platform workflows, and embed AI-driven intelligence into enterprise ecosystems.

TECHNICAL SKILLS

- Python, Nodejs, Nextjs, PHP, C#, Go, Rust, Lua
- Gen AI, LLM Fine-Tuning, Prompt Eng. and RAG
- Kubernetes, Docker, Helm, ArgoCD
- Kong Gateway, Akana, Apigee
- REST APIs, Microservices Architecture
- DevSecOps, CI/CD, Secure SDLC
- MongoDB, MySQL, SQL Server
- Azure, AWS (Exposure), GCP (Exposure)

PROFESSIONAL EXPERIENCE

Infosys Limited

Sep 2021 – Present

Technology Analyst

Oct 2024 – Present

- Architected AI-first API platforms integrating Generative AI and LLM workflows into enterprise systems.
- Designed high-performance microservices using Python (FastAPI), Nextjs across mortgage and telecom platforms.
- Engineered API gateway ecosystems (Kong, Akana, Apigee) with governance automation and traffic control.
- Implemented Kubernetes-based CI/CD pipelines improving deployment scalability and reliability.
- Built LLM fine-tuning workflows using MongoDB datasets to automate API development processes.

Senior Systems Engineer

Oct 2023 – Sep 2024

- Designed secure APIs on Akana platform and automated gateway lifecycle management.
- Integrated DevSecOps controls into CI/CD pipelines enhancing platform security posture.
- Delivered full-stack data platform (Angular + Python + MongoDB) with encryption and observability.

Systems Engineer

Sep 2021 – Sep 2023

- Developed backend services using Python, C#, and Angular for telecom applications.
- Managed APIs via Akana and Azure API Management with automation workflows.
- Contributed to enterprise Data Park platform development and security enhancements.

NASSCOM Foundation – Java Developer Trainee

Jun 2020 – Nov 2020

- Completed full-stack Java training (Java, Spring Boot, JDBC, MySQL, HTML, CSS, JS).
- Developed end-to-end web applications during apprenticeship program.

KEY PROJECTS

AI-Driven API Automation Platform — Enterprise Data Platform (Angular + Python + MongoDB) — Kubernetes-based API Gateway Deployment — Custom Hosting Control Panel — EDUDE Virtual Classroom Platform **AI-Driven API Automation Platform**

Designed LLM-assisted automation framework to streamline API lifecycle management, reduce manual engineering overhead, and accelerate platform onboarding. **Enterprise Data Platform**

Built secure full-stack system using Angular, Python, MongoDB, and Nginx with custom encryption modules and scalable backend APIs. **Cloud-Native API Gateway Deployment**

Implemented production-ready Kong Gateway and service mesh deployments on Kubernetes with automated CI/CD and traffic governance policies.

CERTIFICATIONS

Kong API Gateway Operations — Kubernetes — SnapLogic for Developers — GitHub Copilot Fundamentals — Developing AI First Web Applications — Infosys DevSecOps Platform — Infosys Topaz Fabric 101 — Microsoft Azure Fundamentals

EDUCATION

B.Tech, Computer Science & Engineering

2017 – 2021

Dr. A.P.J. Abdul Kalam Technical University