

VICKY KUMAR

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SUMMARY

Backend Engineer with 4+ years building high-scale distributed systems in healthcare. I built Eka Care's company-wide OAuth2 and OpenID Connect identity platform and the EkaScribe event-driven backend that handles 500K+ API calls a day. Earlier, I led a GCP migration at Deeptek that saved \$300K+ a year. Comfortable across Go, Java, Python, AWS, and event-driven microservices. LeetCode 1850+, CodeChef top-300 globally.

TECHNICAL SKILLS

Languages: Python, Go, Java

Frameworks: Spring Boot, Go-Gin, Django, FastAPI, Hibernate, JPA

Databases: MySQL, MongoDB, DynamoDB, Elasticsearch, BigQuery

Cloud & DevOps: AWS (EC2, S3, Lambda, API Gateway, CloudFront, SNS, SQS), GCP, Docker, CI/CD, Git

Auth & Security: OAuth 2.0, OpenID Connect, JWT, API key management, Rate Limiting, DDoS mitigation

Core Strengths: System Design, Microservices, Event-Driven Architecture, Data Pipelines

PROFESSIONAL EXPERIENCE

Eka.Care

Bangalore, India

SDE-2 (Software Development Engineer II) | Go, Gin, Python, Django, AWS

Oct 2025 – Present

- **Built the EkaScribe backend end to end** on an event-driven audio pipeline (AWS SNS, SQS, S3, Lambda) that ingests audio, transcribes it, and generates structured clinical notes. It now handles 10K+ doctor consultations and 500K+ API calls a day, and I brought per-consultation latency down from 20s to 5-10s (4x faster).
- **Built a framework-agnostic agentic SDK** that orchestrates LLM calls across OpenAI, Anthropic, and AWS Bedrock and picks the best-fit model for each request.
- **Built the AG-UI agentic experience**, a chat layer over the generated clinical notes where medication, vitals, and other structured components are directly editable.
- **Led enterprise API integrations** with NIC (Government of India), Bajaj, Reliance, and Medanta. The platform onboards 1K+ new doctors every month.

SDE-1 (Software Development Engineer I) | Go, Gin, Python, Django, AWS

Nov 2024 – Sep 2025

- **Built Eka Care's OAuth2 and OpenID Connect identity platform** from scratch with Google and Apple SSO across all products, plus an Auth Console that lets client apps self-serve OAuth clients, API keys, scopes, and access policies.
- **Engineered a rate-limiting adapter and AWS Lambda Authorizers** behind API Gateway to authorize every request and block abuse. CloudFront Functions across 5+ products filter 100K+ redirects a day at the edge.
- **Migrated 10M+ patient records** to a redesigned DynamoDB schema with zero downtime, and built a patient-directory microservice on DynamoDB and Elasticsearch with DynamoDB Streams feeding BigQuery analytics.

Deeptek.AI

Nov 2022 – Nov 2024

Software Engineer | Java, Spring Boot, MySQL

Pune, Maharashtra

- **Led a GCP data-migration strategy** that cut cloud infrastructure costs by 65%, and replaced a proprietary medical imaging viewer with an open-source one to save \$300K+ a year in licensing.
- **Led a monolith-to-microservices migration** that improved system performance by 40% and enabled independent deployment across 1,000+ hospital endpoints.
- **Built 50+ REST APIs**, tuned a bulk DICOM pipeline to 10,000+ images a minute, and built async export of 100K+ records with 60% faster DB query response.

PROJECTS

Generic Webhook Dispatch System | Go, AWS SQS, SNS, Lambda, REST APIs

2025

- **Built a production multi-protocol webhook microservice in Go** supporting HTTP, HTTPS, SQS, SNS, and Lambda delivery. An async goroutine and channel design separates request ingestion from delivery, and clients register their own webhooks through secure client-credentials APIs.

ACHIEVEMENTS & COMPETITIVE PROGRAMMING

- **LeetCode:** 1850+ rating, 1500+ problems solved across all difficulty levels.
- **CodeChef:** 4-star (1800+ rating), ranked 44 out of 31,000 in the March 2021 Challenge and consistently in the global top 300.
- **HackerRank:** 5-star, 400+ problems.

EDUCATION

Government Engineering College Ajmer

2018 – 2022

Bachelor of Technology (B.Tech) in Computer Science

GPA: 8.79 / 10.0