

Vaibhaw Krishna

Software Engineer

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SUMMARY

Software Engineer with experience developing production AI-powered web applications, backend microservices, and distributed cloud systems. Skilled in designing scalable Node.js, Go, and Python APIs, implementing LangChain/RAG GenAI workflows, and managing AWS infrastructure.

EXPERIENCE

Software Engineer

Gebra AI Pvt. Ltd.

Mar 2026 – Present

- Owned end-to-end development of production AI-powered web applications using React.js, HTML/CSS, and Node.js/Fastify backend APIs.
- Designed and deployed Agentic AI and GenAI workflows in Python using LangChain, RAG, and LLM APIs for automated page generation, brand extraction, SEO, and campaign analysis.
- Built a webpage-cloning microservice leveraging web scraping, vision models, brand extraction, and AI-generated React components, achieving approximately 95% visual matching.
- Developed a page-generation agent over 200+ reusable templates, improving generation quality by approximately 80% through LLM and prompt strategy benchmarking.
- Engineered high-throughput Node.js/Fastify APIs and asynchronous processing pipelines using SSE for real-time tracking and event ingestion.
- Deployed and operated cloud workloads on AWS utilizing EC2, Lambda, S3, SQS, SNS, CloudWatch, and Amazon Bedrock.

Software Developer

Tata Consultancy Services

Aug 2022 – Feb 2026

- Developed React.js frontends integrated with Python/Flask REST APIs and microservices for internal enterprise portals.
- Built backend automation and integration services in Python and Go using Kafka, SNS, and SQS for event-driven processing.
- Constructed data-processing ETL pipelines for ingesting, validating, transforming, and routing business events with retry mechanisms and dead-letter handling.
- Implemented Infrastructure as Code using Terraform and automated deployments via Docker, Jenkins CI/CD, Kubernetes, and AWS.
- Managed enterprise data persistence, caching, and search using PostgreSQL, Redis, Elasticsearch, SQL, IAM, and Cloud-Watch.

EDUCATION

Techno India Salt Lake · Bachelor of Technology (B.Tech) · 2018 – 2022

SKILLS

Languages and Frameworks: C/C++, Dart, Go, JavaScript/TypeScript, Python, SQL, Django, FastAPI, Flask, Flutter, LangChain, LangGraph, Next.js, Node.js/Fastify, React, React.js, Spring Boot

Databases: Elasticsearch, MongoDB/NoSQL, MySQL, pgvector, PostgreSQL, Redis

Tools: Amazon Bedrock, Apache Kafka, API Integration, AWS (Lambda, EC2, S3, IAM, CloudWatch, EKS, ECS), Claude, Docker, Event-Driven Architecture, Gemini, Gemini Vision, Git, GraphQL, gRPC, HLD/LLD, HLS, Jenkins CI/CD, Kubernetes, Microservices, RAG, Razorpay, REST APIs, SSE, Terraform, WebRTC, WebSocket, YOLO

PROJECTS

NightWatch — AI-Powered Real-Time Event Monitoring

Built an end-to-end AI event pipeline with RTSP ingestion, frame sampling, Gemini Vision reasoning, structured event generation, real-time alerting, and persistence. Engineered real-time event pipeline using Python, Gemini Vision, WebRTC, SSE, and event processing mechanisms.

Python, Gemini Vision, WebRTC, SSE, Event Processing

Demo

Streamshort

Video infrastructure and creator monetization platform featuring short-form video streaming, uploads, HLS delivery over CloudFront, subscriptions, and creator payouts. Developed Go backend integrated with PostgreSQL, HLS, AWS, and Razorpay.

Go, PostgreSQL, HLS, AWS, Razorpay

Episodd — OTT Video Streaming Platform

Built an end-to-end OTT and short-video platform with backend APIs for creators, subscriptions, payments, content metadata, and analytics. Implemented backend using Go, PostgreSQL, AWS S3, and Flutter.

Go, PostgreSQL, AWS S3, Flutter

Additional projects: Spatial, GetColabb

AWARDS

AWS Certified Developer – Associate