

Akshat Katiyar

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Summary

Senior platform engineer with 7+ years building developer infrastructure, automation and distributed backend systems in Python and Go. Built CBA's internal AI development platform — coding-agent workspaces, MCP integrations, an LLM compatibility gateway and evaluation telemetry — adopted by **200+ engineers**.

Technical Skills

- **Languages:** Python, Go, TypeScript/JavaScript, SQL
- **AI & Developer Infrastructure:** Claude Code, Codex, MCP/FastMCP, LangGraph, LiteLLM, Portkey, AWS Bedrock, Langfuse, HoneyHive
- **Platform & Cloud:** AWS, Docker, Kubernetes, Terraform, Ansible/AWX, GitHub Actions, Jenkins, Airflow, Vault, OIDC, CI/CD, OpenTelemetry
- **Backend & Data:** FastAPI, Node.js, REST, gRPC, PostgreSQL, MongoDB, Redis, RabbitMQ, ZeroMQ

Work Experience

Senior Software Engineer **Commonwealth Bank of Australia (CBA India), Bengaluru** **May 2023 – Present**

- Built and own CBA's internal AI developer platform, combining Claude Code, Codex and Pi with task routing, LLM gateway routing and automated code review; adopted by **200+ engineers** and earned 140 internal GitHub stars
- Built a FastMCP server exposing F5 load-balancer configuration to coding agents through four tools — read, write, search and validate — so engineers change and verify config without leaving their development environment
- Built a Node.js/LiteLLM compatibility gateway normalizing agent payloads across AWS Bedrock endpoints, isolating **200+ engineers** from provider-specific API changes
- Instrumented agent traffic with Langfuse and HoneyHive to track adoption, evaluation quality, cost and **DORA metrics** across teams on the platform
- Built a secure self-service deployment platform using Ping OIDC, Vault, Terraform, Ansible, GitHub Actions and Artifactory
- Built network-operations automation — a stateful LangGraph diagnostic agent plus Python/Go F5 services with cross-site PostgreSQL replication, Airflow orchestration and deployment safety gates

Software Engineer III **AppDynamics (Cisco), Bengaluru** **Nov 2022 – May 2023**

- Engineered an Ansible role for full agent lifecycle (install, upgrade, rollback, uninstall) across customer fleets of **1,000+ VMs**, cloud and on-premise — cut deployment time **50%+**
- Implemented OpenTelemetry instrumentation in the AppDynamics Python agent and built the ZeroMQ IPC channel carrying agent-to-controller traffic

Senior Software Engineer **Societe Generale Solution Center, Bengaluru** **Jan 2019 – Nov 2022**

Promoted from Intern (Jan 2019) to Software Engineer (Apr 2019) to Senior Software Engineer (Jul 2022).

- Architected an ML-driven network-troubleshooting platform that reduced MTTR on critical incidents
- Built a global ticket-escalation platform (Angular, Flask, PostgreSQL) used by teams across **6 regions**
- Automated over **80%** of Cisco, Infoblox and Netshot configuration workflows using Ansible/AWX, reducing DNS-processing time by **70%**

Education & Certifications

M.Tech, Software Engineering, BITS Pilani Jul 2021 – Jun 2023
B.E., Computer Science, PSG College of Technology, Coimbatore Aug 2014 – May 2019
AWS Certified Solutions Architect – Associate [Credential](#)

Open Source

Merged pull requests to **vLLM** (multimodal image-size bugfix) and **Omnigent** (agent workspace attachments, Google IAP header auth). **Deckle** — notarized macOS menu-bar app (Swift, SwiftUI, AppKit) shipped via Homebrew tap.