Abhishek Kashyap

Software Engineer – Infra & Dev Productivity

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PROFILE

Software Engineer with **8+ years** of experience working on infrastructure-adjacent systems, developer productivity, and security automation. Experienced in building and operating distributed systems, CI platforms, and observability solutions using Go, Kubernetes, and AWS.

Most recently a Software Engineer at Instabase, focused on improving build and test productivity, CI reliability, and end-to-end vulnerability mitigation. Known for strong ownership across ambiguous problem spaces, with a focus on scaling security and remediation workflows through automation and CI integration.

PROFESSIONAL EXPERIENCE

Software Engineer – Infra & Dev Productivity (IE-05) 12/2024 – 11/2025
Instabase Bengaluru, India

- **Owned** end-to-end vulnerability mitigation workflows, architecting and delivering an **Automated Vulnerability Remediation** pipeline that generated 300+ PRs, achieving ~95% success for simpler vulnerabilities and 50–70% success for complex cases.
- **Drove** the Build & Test charter of Developer Productivity, improving **CI execution efficiency**, and developer feedback loops across multiple teams.
- **Improved** consistency across **Bazel-based** build and test setups for multiple services by standardizing configuration and usage patterns.
- **Enhanced** end-to-end observability across **backend and frontend** systems by setting up AWS RDS alerting and integrating Grafana Faro Web SDK with Grafana Alloy, reducing database incident response time by ~20% and improving debugging efficiency for web applications.
- **Upgraded** three **Amazon EKS** clusters to newer Kubernetes versions, eliminating extended support charges and generating annual savings of **$13,140**.

Senior Software Engineer (L4) 08/2022 – 11/2024
SambaNova Systems Bengaluru, India

- **Architected** a fault tolerance mechanism for ML endpoints, boosting system reliability by 70% through advanced scheduling and shutdown processes.
- **Engineered** a low-latency (15 ms) RBAC system with modular ADFs, improving API integration and ensuring scalability.
- **Spearheaded** the development of a custom DataMigration controller, automating data transfers and boosting dataset upload speed by 20%, while minimizing error rates significantly.
- **Created** a CLI for SambaStudio Rack orchestration, automating Jenkins pipelines for RPM bundling to streamline development by 30%.

Product Engineer (L3) 07/2019 – 08/2022
Gojek Tech. Bengaluru, India

- **Championed** the development of a driver segmentation framework that classified over 1 Million drivers, enhancing driver professionalism and boosting customer satisfaction measurably.
- **Designed** APIs for driver education (CMS) and income management, increasing resource accessibility and elevating driver engagement by 40%.
- **Revamped** driver notification services by switching to MQTT from PubNub, cutting operational costs by 50% and enhancing system performance.
- **Mentored** three interns on the Driver Loyalty project, guiding them to enhance their professional skills. Managed and tracked the project and its deliverables.

Software Engineer 09/2017 – 07/2019
MayaData, Inc. Bengaluru, India

- **Led** the development of Golang-based microservices for Kubernetes, integrating Prometheus-based observability that significantly reduced support inquiries through user self-monitoring.

- **Initiated** and developed the CITF for SaaS services, achieving 70% integration test coverage that elevated QA standards and slashed production errors.

EDUCATION

Bachelor of Technology in Computer Science & Engineering 2013 – 2017
Dr. B. C. Roy Engineering College Durgapur, India

SKILLS

Go (Golang)	■■■■■	Kubernetes	■■■■□
Helm	■■■■□	ArgoCD	■■■□□
Docker	■■■■□	Python	■■■■□
Bazel	■■■□□	PostgresDB	■■■■□
MongoDB	■■■■□	Kafka	■■■■□
Redis	■■■■□	REST	■■■■□
Git	■■■■■	gRPC	■■■■□
OperatorSDK	■■■□□	AWS	■■■□□
Jenkins CI	■■■□□	ElasticSearch	■■■□□
Prometheus	■■■□□	Grafana	■■■□□

PERSONAL PROJECTS

Project Brahmanda 01/2026
A production-grade hybrid-cloud ecosystem designed to mirror the cosmic cycles of creation, maintenance, and dissolution for hardware infrastructure and software workloads.
- **Hybrid Zero-Trust Mesh:** Architected a secure bridge between AWS and on-premise Proxmox using Nebula to expose local workloads globally without open firewalls.
- **Ephemeral Infrastructure:** Achieved hassle-free, single-command cluster dissolution and reconstruction via Terraform and Ansible pipelines.
- **Unified GitOps:** Implemented end-to-end continuous delivery for both infrastructure state using "Management Outpost" pattern and application workloads using ArgoCD.

Greeter AI 05/2024 – 07/2024
An AI-based solution that greets guests at the door while simultaneously notifying me.
- **Built** an AI-based guest management system integrating face recognition, real-time identification, and local video calling using OpenCV, TensorFlow/PyTorch, and Jitsi Server.
- **Achieved** a fully operational AI system that enhances guest interaction with personalized greetings, designed for low-latency local execution.

Tic Tac Toe
A web app where two people can play Tic-Tac-Toe, or one person can play against an AI
- **Created** a web-based game enabling both solo and competitive play using Java and Svelte, with a sophisticated AI challenging players across ten difficulty levels.