

KARTHICK R

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EXPERIENCE

Software Engineer II

Uber Technologies, Inc

April 2025 - Present

Bangalore, India

- Led migration of Uber's **Audience Sampling workflows** from Box to Google Drive, ensuring uninterrupted operations for 20+ Marketing and Data Science stakeholders. Migrated **560+ assets with zero data loss**, integrating secure authentication via GCP service accounts and internal systems.
- Integrated Uber's internal **rule engine** into the **experimentation platform** to automate lifecycle decisions, reducing manual review latency by **~75%** and cutting runtime delays by **~40%**.
- Built backend workflows and **APIs** to standardize **LLM prompt evaluation**, integrating with **OpenAI's GPT-4 API** to automate testing and scoring, improving reproducibility and reducing manual evaluation time by **~40%**.
- Developed a centralized **evaluation dashboard** to visualize prompt metrics by API and scenario, reducing regression detection time by **~50%** and improving prioritization.
- Conducted **shadow-run evaluations** across Uber's internal **AI evaluation pipeline** benchmarking **GPT-4o** vs. **Anthropic Claude**, producing data-backed recommendations that optimized model strategy and reduced infra cost.
- Championed documentation, testing, and reliability practices — authoring **ERDs**, onboarding materials, and runbooks to improve maintainability and velocity.

Software Engineer II (Associate)

Goldman Sachs

Jul 2021 - Apr 2025

Bangalore, India

- Built and optimized low-GC **Java** applications for the Goldman Sachs Electronic Trading (GSET) low-latency platform, reducing latency by **130%** across multiple services.
- Redesigned the internal **Java** metrics ingestion framework and **InfluxDB** integration, enhancing monitoring and reducing Sev2 incidents by **80%**.
- Developed and maintained 4 microservices using **Java (Spring Boot)**, **MongoDB**, **React**, and **Terraform**, serving **100+** global users in the Automation and Tooling team.
- Designed and implemented an **order tracing tool** in **Java**, cutting order tracing time by **95%** and reducing manual work for traders.
- Improved service resiliency by **200%** via multi-region infrastructure migration using **Terraform** and the firm's proprietary cloud provider.
- Embedded service-level authorization using **Spring Security** and **PingFederate IAM**.

EDUCATION

Bachelor of Technology, Computer Science and Engineering

National Institute of Technology, Trichy

2017 – 2021

CGPA: 9.0 / 10.0

SKILLS

Programming Languages

Java 17, Python, C++

Databases

MongoDB, InfluxDB, MySQL, Redis, Kafka

Frameworks and Libraries

Spring Boot, Spring Cloud, FastAPI, REST APIs, gRPC, Microservices, Android

Cloud

GCP (Integration), Terraform

Testing and Monitoring

JUnit, Mockito, Grafana, Telegraf

Tools and Other Skills

Git, GitHub, GitLab, OpenAI API Integration, Problem Solving

Certifications

[Oracle Certified Java SE 17 Developer](#)