

Abhijit Mohanty

Software Engineer – Backend | Golang | Microservices | AWS | Kubernetes

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PROFESSIONAL SUMMARY

Team-oriented software engineer with 8+ years experience building multi-tier, distributed systems and consumer products; delivered high-volume platforms (25M+ daily transactions), REST APIs, and zero-downtime releases via CI/CD; proficient in Golang with MySQL, BigQuery, AWS, Kubernetes; employs clean code practices and TDD.

EXPERIENCE

Grab Singapore

Jun 2022 – Present

Software Engineer – Backend

Golang · MySQL · FastAPI · Claude Sonnet · Apache Kafka

- Architected and developed a centralized reconciliation platform unlocking end-to-end visibility of 25M+ transactions daily.
- Led real-time cross-organisation integrations with banks and consumer-facing applications, increasing annual revenue by USD 3.5 Million.
- Migrated critical applications from GCP to AWS with zero downtime — 20% cost savings and 4x increase in performance.
- Developed Snowflake MCP used by 10+ engineers to perform data analysis in natural language via their IDE.
- Created an OnCall helper bot using LLMs and Chain of Thought prompting which reduces time to triage issues by 40%.

UST Global (acquired Advaent Corporation) India

Apr 2020 – Jun 2021

Senior Software Engineer – Platform Systems

Java · Spring Boot · MySQL

- Led development of a high-reliability healthcare insurance system, scaling to 50K+ users and USD 6 Million in annual revenue.
- Upgraded and migrated the entire monolithic application to Java 11 in 1 week, ensuring backward compatibility and zero production incidents.
- Designed custom file ingestion framework, cutting integration time from 5 days to 1 day via reusable parsing architecture.

Lothal Labs India

Jan 2019 – Apr 2020

Frontend Engineer – E-commerce Platform

React Native · Redux · AdobeXD

- Joined as first engineering hire; designed end-to-end app user journeys.
- Led UI/UX design and created a reusable internal design library to standardize patterns and accelerate delivery.
- Developed and tested cross-platform React Native mobile app (iOS/Android) with Redux-based state management.

Mindfire Solutions India

Jul 2016 – Dec 2018

Software Engineer

Java · Spring Boot · jQuery · Bootstrap · MySQL

- Delivered end-to-end web application for finance analysts; reduced manual reporting from 24 hrs to 6 hrs.
- Led a team of 6 developers and interfaced directly with client for requirement gathering.

EDUCATION

National University of Singapore Singapore

2021 – 2022

Master of Technology, Software Engineering — CAP: 4.41 / 5.00

TECHNICAL SKILLS

LANGUAGES	Golang · Java · JavaScript
FRONTEND	React · Redux · jQuery · Bootstrap
CLOUD	AWS (EKS, Redshift) · GCP (GKE, BigQuery) · Apache Kafka
DATABASES	MySQL · Redshift & BigQuery · DynamoDB
BACKEND	Spring Boot · REST · Hibernate · JUnit
BUILD TOOLS	Git · Maven · Docker · Jenkins
ARCHITECTURE	Distributed Systems · Microservices · High Availability
AI TOOLS	Cursor IDE · Claude Code · Amp Code

PERSONAL PROJECTS

Personal ChatGPT

2024

Secure, full-stack personal ChatGPT instance with custom front end and local hosting to bypass commercial limitations.

- Implemented backend and frontend with locally running LLMs.

Stack: Ollama · Llama 3.1 · Go · React [Demo] [Code]

Centralized Video Gateway

2022

Designed and deployed a full-stack WebApp to onboard/manage IP camera feeds across enterprise zones. Won Best Internship Project among 200+ students at NUS.

- Built low-latency live video gateway system managing CCTV feeds at scale, replacing proprietary licensed software and saving \$50K+ annually.

Stack: React · Java · WebRTC [Demo]

abhijitmohanty.com

2026

Personal blog and portfolio built with Hugo, deployed on DigitalOcean via a two-stage GitHub Actions pipeline with manual production approval.

Stack: Hugo · GitHub Actions · DigitalOcean [Visit] [Code]

plugsandsockets.org

Reference resource for global electrical plug and socket standards — outlet types, voltage, and frequency by country.

Stack: Web [Visit]