ADIYTI SUMAN

+91 9845156053 adiytisuman1@gmail.com GitHub:Adiytisuman24 adiytisuman.com

Education

New Horizon college of Engineering 2021 – 2025
Bachelor of Engineering in Electrical and Electronics Bengaluru , India

Experience

Co-founder and CTO May 2024 – Sep 2025

Nextpayments **Bangalore, India**

- **Built and deployed** a crypto-native UPI system supporting sub-200ms payments using on-chain validation and off-chain fiat settlement bridges.Implemented observability stack with Prometheus, Grafana, and OpenTelemetry across all microservices, reducing mean time to recovery (MTTR) by 50%.Developed high-performance Golang-based proxy services to route blockchain and fiat transactions, improving throughput by 3.5x and cutting latency by 25%.Optimized multi-step provisioning pipelines (Terraform + Kubernetes + Helm), reducing dev-test infra setup time by 70%, enabling faster iteration on payment flows and fraud models
- **Created a dynamic metering system** with Lago to handle real-time usage-based billing across 15+ digital asset SKUs and cross-border payments.Authored Helm charts for 30+ services, streamlining multi-cloud Kubernetes deployments (EKS/GKE) for APIs, wallets, and fraud engines.Engineered a tenant-aware observability framework with federated Grafana dashboards, slashing payment reconciliation debugging time by 60%.Built a benchmarking suite using Airflow + Locust to test new transaction flows, L2 protocols, and AI risk scoring models
- **Deployed AWS WAF and integrated with custom threat feeds**, blocking over 20k+ malicious wallet/QR requests per day, enabling zero-day defense logic.Integrated ArgoCD for GitOps-based deployment automation, cutting production rollout time from 4 hours to under 15 minutes.Ran infra load tests using JMeter and custom scripts, achieving a 40% uplift in performance for peak-time crypto-to-fiat swap pipelines

CSX - Creator stock Exchange (open source) July 2024 – June 2025

Golang - Backend Algotrading platform **Remote**

- **Backend in Golang –** built high-performance trading engine with real-time order execution, low-latency APIs, and algorithmic strategies.
- **MERN stack integration –** designed scalable user dashboard, portfolio tracking, and trade visualization with React, Node.js, MongoDB, and Express.
- **Dockerized microservices –** containerized backend and frontend services for portability, faster deployment, and efficient scaling.
- **CI/CD pipelines –** implemented automated build, test, and deploy workflows (GitHub Actions/Docker) for seamless production releases.
- **API design & documentation –** developed and tested REST APIs using Postman, with secure API key authentication for trade execution and account management.Error handling & resilience engineered retry mechanisms, structured error responses, and monitoring tools for stable high-frequency trading.Performance optimization optimized query patterns, Golang goroutines, and caching to handle high-volume concurrent trading requests.

Software Engineer research Intern May 2022 – September 2022

IISC Bengaluru **Bengaluru,India**

Designed low-latency trading engines in Golang, optimized for microsecond-level execution across multiple asset classesBuilt real-time data ingestion pipelines using Rust for memory safety and speed-critical processing of market ticks and order book deltas.Developed trading strategy simulators and P&L analysis tools in Ruby for rapid prototyping and backtesting.Implemented Terraform-based infrastructure as code to spin up isolated backtesting and live-trading environments across AWS/GCP.Integrated Grafana dashboards with Prometheus and custom Rust metrics exporters to monitor execution time, slippage, and system healthWorked.

Projects

G-Meet Auto Join: Chrome extension to automatically join Google Meet meetings at scheduled timestamp
PyPSI : Python wrapper for Google PageSpeed Insights to generate lighthouse metrics for multiple devices
Go-Carbon : An unofficial REST API for the Carbon project written in Go, with a 3x performance speed

Skills

Languages: Python, JavaScript, Go, TypeScript,c#,Java
Platforms: GCP, AWS, Kubernetes, Docker, Terraform, vs code, Android,unreal Engine,Unity,Solidity,Quickfixengine
Observability: Grafana, Prometheus, Elasticsearch.Kafka
Frameworks: React, React Native, Fiber, FastAPI, Node.js, Flask, Nextjs,Django
Databases: MySQL, Postgres, MongoDB, Redis