

Software Engineer with 3 years of experience developing and deploying distributed systems, showcasing ability to write quality code, contributing to design decisions and independently delivering solutions, alongside mentoring junior developers and bringing them up to speed irrespective of their industry experience.

**SKILLS:** *Golang, Hyperledger Fabric, Linux, Docker, Kubernetes, Angular*

## EMPLOYMENT PROFILE

- National Payments Corporation of India, Hyderabad: 2 May 2023-Present**

**Technologies:** Go, Linux, Hyperledger Fabric, RESTful API, gRPC, Protocol Buffers

- Design and develop In House Workflow Orchestration application
- Lead Workflow automation micro-service in Digital FD application using Temporal
- Co-design and develop SDK for blockchain agnostic operations based on Unified Blockchain API spec
- Design and develop Common Code for Unified Blockchain
  - Lead development of cache, server and DLT packages with technologies like Redis, Dragonfly, KeyDB, Memcached, Gin, fastHTTP, echo, Hyperledger Fabric, Ethereum, et al.
  - Standardize unit and integration testing for the Common Code
- Co-design language agnostic Smart Contract Execution Environments for using Go, Docker and kaniko
- Standardize unit and integration testing, and test suites using Testify and standard testing packages
- Containerize development environment and CI pipelines

- Infosys Limited, Bangalore: 21 Sep 2021-17 Apr 2023**

**Technologies:** Angular, TypeScript, Go, AWS, Linux, Windows

- Developed **Go plugins/integrations**
  - Develop API consumers for RESTful and GraphQL APIs from GitHub, GitLab, Atlassian Jira, Azure DevOps, SonarQube for data parsing and hoarding
  - Develop unified dashboards and cards to display Developer metrics i.e., Code Commit Velocity, Sprint Velocity, Contribution Churn, Pull Requests etc.
  - Refactor monolith Angular frontend to Micro Frontends
- Setup Live Engineering Kubernetes cluster for Integration Testing and DAST with micro services, MongoDB, Elasticsearch etc. using Rancher, AWS EC2 VMs

## PROJECTS

- **chatty:** Instant messaging on the web using Go, WASM and Angular 18
- **inflict:** CLI application for inflation calculation using Go
- **linclist:** Web links aggregator and manager using Go, Markdown, MongoDB and Angular 18
- **meter:** Google Meet clone using Go, WebSocket and Angular 18
- **upgraded disco:** Web application backend for ssnk.in using Go

## OPEN SOURCE

- **Hyperledger Fabric Contract API:** Documentation updates
- **Gamifying Refactoring:** Rewritten in Go

## ACCOMPLISHMENTS

- March 2024: **'Well Done Award'** for contributions as Core Senior Developer to NPCI United Blockchain Platform
- December 2022: **'Certificate of Achievement'** for contributions to Infosys Live Engineering
- April 2022: **'Certificate of Achievement'** for contributions to Infosys Live Engineering platform

## EDUCATIONAL BACKGROUND

- **BTech** in Information Technology from Techno International NewTown, Kolkata, WB, IN, session of 2017-21.
- **Intermediate** in Phy, Chem, Math from LN Inter College at Bhagalpur, BR, IN, batch of 2016
- **Matriculation** from St Paul's School at Bhagalpur, BR, IN, batch of 2014