

Software Engineer with 4 years of experience independently delivering distributed systems & FinTech solutions, assisting stakeholders with key design decisions alongside mentoring junior developers.

SKILLS: *Golang, Rust, Hyperledger Fabric, Linux, Docker, Kubernetes, Angular, ReactJS, Python, Temporal, OutSystems*

EMPLOYMENT PROFILE

❖ Full Stack Developer @ Avalara, Pune: Feb ‘25-Present

Technologies: *Go, Rust, Python, Temporal, JavaScript, ReactJS, Scala, Kubernetes, Terraform, OutSystems*

- Cut turnaround time by half in On Call support role
- Automated On Call issue resolution by integrating documentation & past tickets with slack bot using RAG in LLMs
- Evaluated cost effective solutions for proxies & LLM based web scraping automation to augment leadership decision making

❖ Senior Software Developer @ Nasdaq, Pune: Oct ‘24-Feb ‘25

Technologies: *AxiomSL, CV, PL/SQL, R*

- Financial Report Automation using CV/AxiomSL

❖ Associate Go Developer @ National Payments Corporation of India, Hyderabad: May ‘23-Oct ‘24

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

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

❖ Systems Engineer @ Infosys Limited, Bangalore: Sep ‘21-Apr ‘23

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

- Developed **Go plugins/integrations**
 - Developed API consumers for RESTful and GraphQL APIs from GitHub, GitLab, Atlassian Jira, Azure DevOps, SonarQube for data parsing and hoarding
 - Developed unified dashboards and cards to display Developer metrics i.e., Code Commit Velocity, Sprint Velocity, Contribution Churn, Pull Requests etc.
 - Refactored 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

- **tombstone:** URL shortener for ssnk.in **Lang:** *Rust*
 - **objectify:** Object database over Level DB using **Lang:** *Go*
 - **ssql:** Fully featured SQL database that never works **Lang:** *Go*
 - **infect:** CLI application for inflation calculation **Lang:** *Go*
 - **linclist:** Web links aggregator and manager using **Lang:** *Go*
- Tech:** *Markdown, MongoDB, Angular 19*

OPEN SOURCE

- **Go:** Refactor & documentation update
- **DiceDB:** Audit documentation and APIs
- **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 New Town, 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