

Senior Software Engineer with 5 years of experience building scalable distributed, cloud-native, and blockchain-based applications. Proven track record delivering performance-driven solutions in FinTech, compliance, and payments, and optimizing high-traffic systems.

**Languages:** Go, Rust, JavaScript, TypeScript, Python

**Infrastructure:** AWS, Linux, Docker, Kubernetes, Terraform

**Frameworks:** Angular, gRPC, Temporal, Hyperledger Fabric

**CI/CD:** GitLab CI, GitHub Actions

**Databases:** Postgres, MongoDB, Kafka

**Caching:** Redis, Memcached, DragonFly

## EMPLOYMENT PROFILE

### ❖ Product Engineer @ InfraCloud, Pune: Feb '25 - Present

**Technologies:** Go, Azure, Microsoft Entra ID, Veeam Data Cloud

- Microsoft Entra ID backup using VDC

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

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

- Automated on-call workflows with LLM-powered Slack bots, reducing incident resolution time by **50%**
- Developed cost-effective proxy and web scraping automation solutions with LLMs, accelerating decision-making for leadership
- Migrated scraping solutions from Zyte SPM to Zyte API, improving **stability and maintainability**

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

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

- Aggregated & transformed data from Excel and XBRL, into AxiomSL CV, ensuring consistency & accuracy for regulatory reporting
- Data validations within AxiomSL CV for regulatory compliance, enhancing data integrity and seamless audit trails
- Automated reporting workflows to generate & export regulatory reports, reducing manual effort and improving turnaround time

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

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

- Designed and deployed a Workflow Orchestration application, reducing operational complexity for financial workflows
- Led development of automation microservices with Temporal, streamlining digital FD operations and improving efficiency
- Built reusable SDKs and caching layers with Redis, Memcached, and Dragonfly, enhancing system performance and scalability
- Co-designed Smart Contract Execution Environments, enabling multi-language contract deployment with Docker and Kaniko
- Standardized testing frameworks with Testify, improving code reliability and reducing production issues
- Containerized dev environments and CI pipelines, accelerating delivery cycles

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

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

- Developed **Go plugins/integrations**
  - Developed API consumers for GitHub, GitLab, Atlassian Jira, Azure DevOps, SonarQube RESTful and GraphQL APIs
  - Developed unified dashboards and cards to display Developer metrics
  - Refactored monolith Angular frontend to Micro Frontends
- Setup Live Engineering Kubernetes cluster for Integration Testing and DAST using Rancher, AWS EC2 VMs

## PROJECTS

- **Skillz Collab:** **Tech:** OAuth, RBAC, JWT, Postgres, OpenAPI **Lang:** Go, TypeScript, SQL
  - Built Go-based REST API with Ent ORM, JWT, and RBAC for creative collaboration platform
  - Containerized PostgreSQL based backend with Docker & Nginx for deployments on AWS EC2, and integrated SES/SNS for notifications
  - Improved developer efficiency by setting up mono-repo with Turbo and automated workflows
  - Established git hooks, Golang modules, testing frameworks, logging, and Swagger documentation
- **Solvida Core Trading Platform:** **Tech:** Postgres, Docker, WebSocket, JWT, OpenAPI **Lang:** Go, TypeScript, SQL
  - Led complete refactoring from monolith to Golang microservice based architecture and DI, factories & layered architecture
  - Designed PG schemas with GORM integration & WebSocket based RT trading with ToTheMoon API
  - Added monitoring & tracing using slog with structured, colored logs & traces
  - Automated dev & deployment workflows with air, Makefile, Docker & Docker Compose
- **Flash USDT:** **Tech:** Angular, Postgres, TRC20, ERC20 **Lang:** Go, TypeScript, SQL
  - Built "flashing engine" for USDT, BTC, and TRX token transfers to TRC20 and ERC20 networks wallet addresses
  - Implemented instantaneous, free wallet-to-wallet transfer with hyperlinked transactions from Tronscan & Etherscan
  - Built a user-friendly interface to display balances, select currency/networks, and execute transfers

## OPEN SOURCE

- **Go:** Refactor & documentation update
- **Hyperledger Fabric Contract API:** Documentation updates
- **DiceDB:** Audit documentation and APIs
- **Gamifying Refactoring:** Rewritten in Go

## ACCOMPLISHMENTS

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

## EDUCATIONAL BACKGROUND

- **BTech** Information Technology - *Techno International New Town, Kolkata, 2017-21.*