Shashank Priyadarshi   +91 74882 91328
Senior Software Engineer   **hire@ssnk.in**
GitHub   **Blog**

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.

Seeking a Sr SE role with opportunity to design, develop and deliver novelty distributed systems use cases.

SKILLS

- **Go**
- **Hyperledger Fabric**
- **Docker**
- **Angular**
- **Linux**
- **Kubernetes**

EMPLOYMENT PROFILE

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

  Roles & Responsibilities: Associate Go Developer
  - Design and develop scalable, and well-documented Go microservice, SDKs and common code
  - Collaborate to solve break down complex problem statements to manageable chunks
  - Review code, commits, and pull requests to ensure code quality standards and best practices
  - Mentor junior developers and provide guidance on coding, standards and best practices
  - Stay up to date with Go best practices, and technologies, and share knowledge with the team

  Technologies: Go, Linux, Hyperledger Fabric, RESTful API, gRPC, Protocol Buffers, MariaDB, Redis, KeyDB, DragonFly, Open API, GORM, Echo, Gin, fast HTTP, zap, zerolog, logrus, slog

  Projects:
  - In House Orchestrator application
    - Led architecture design for Orchestrator
    - Led development of YAML parsing and validation using DSL
    - Led development of Go workers and worker pools to load and execute WASM binaries
    - Led development of Queue based Pub Sub
    - Led development of matching engine for task dispatch to Queue based on dynamic configuration
    - Led development of API server for client interaction
    - Led development of UI dashboard using Angular 18
  - Workflow automation microservice in Digital FD application using Temporal
    - Led development of consumer for Temporal server to register, execute, pause & restart workflows
    - Led development of APIs for automation microservice
  - Generic SDK for Unified Blockchain use cases
    - Codesigned SDK for blockchain agnostic operations
    - Developed SDK APIs based on Unified Blockchain API spec
  - Common Code for Unified Blockchain
    - Led development of cache package using Redis, Dragonfly, KeyDB, Memcached increasing code extensibility and reuse
    - Led development of server package using Gin, fast HTTP, echo increasing code extensibility and reuse
    - Codeveloped support for server, payload signing, DLT, logger
    - Standardized unit and integration testing for the Common Code
  - Smart Contract Execution Environments for Blockchain Networks
    - Codesigned SCEE for language agnostic smart contract execution environment using Go, Docker and kaniko
    - Developed package builder and executor for packaging and deploying smart contracts as pods in k8s clusters
  - Rich queries for Level DB
    - R&D for Rich Query requirement in Hyperledger Fabric state databases, i.e. CouchDB and Level DB
    - Added Rich Query support to forked Hyperledger Fabric code base using github.com/motoreq/iState
  - Standardized unit and integration testing, and test suites using Testify and standard testing packages
  - Containerized development environment and CI pipelines

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- **Infosys Limited, Bangalore:** 21 Sep 2021-17 Apr 2023
  Roles & Responsibilities: Systems Engineer
    - Learn and implement Go fundamentals, best practices, and coding standards
    - Collaborate with seniors, seek feedback, and learn from criticism to improve your skills

  Technologies: Angular, TypeScript, Go, MongoDB, Minio, AWS, GitHub, Atlassian Jira, SonarQube, GitLab, Linux, Windows

  Projects:
    - 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 Integration Testing and DAST **environment**
        - Updated k8s configs for freshly provisioned cluster
        - Setup Live Engineering Kubernetes cluster with micro services, MongoDB, Elasticsearch etc. using Rancher, AWS EC2 VMs
        - Resolved connectivity issues between micro services, databases, and other deployments

ACCOMPLISHMENTS

- March 2024: **'Well Done Award'** for contributions as Core Sr Dev 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

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

OPENSOURCE

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

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