

Kshitij Patil

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[github](#) | [linkedin](#) | [Portfolio](#)

EDUCATION

Master of Science - Computer Science

Aug 2022 - Dec 2023

University at Buffalo, The State University of New York

Bachelor of Engineering - Computer Science

Aug 2016 - Jun 2020

Smt. Kashibai Navale College Of Engineering

EXPERIENCE

Incalus Inc

May 2023 - Present

Senior Blockchain Developer

Fremont, CA

- Architected a **Go SDK** for **RESTful** API access to **Blockchain smart contracts**, handling **1,000+** transactions/sec.
- Developed and deployed **Go smart contracts** on **Hyperledger Fabric Network**, enhancing security by **15%**.
- Collaborated with **cross-functional** teams to implement a **Blockchain-Based supply chain solution**, delivering a **18%** improvement in transparency and a **39%** reduction in operational inefficiencies.
- Led a team of **5** developers to build a **Blockchain solution** for securely storing **10,000+ medical records**.
- Incorporated **Kubernetes** for deploying a **Permissioned Blockchain Network**, boosting scalability by **28%**.

Mckinley Rice

Dec 2021 - Apr 2022

Blockchain Developer

Pune, IN

- Built **REST** and **gRPC** APIs in **Golang** for **blockchain** interaction, reducing transaction times by **25%**.
- Optimized **Blockchain transaction throughput** by **40%** through careful **network** and **protocol** enhancements.
- Deployed a multi-host **Docker Swarm** network for **Hyperledger Fabric**, enhancing scalability across **5** hosts.
- Automated **infrastructure provisioning** with **Terraform**, streamlining setup and reducing time by **37%**.

Cognizant

Nov 2020 - Dec 2021

Programmar Analyst - Blockchain

Pune, IN

- Leveraged **Hyperledger Fabric** to develop a **DLT solution** for **India's largest depository**, enhancing asset cover accuracy by **30%** and handling **3,000+** transactions per second for **\$5 million** in financial assets.
- Implemented and deployed over **10** secure and immutable **Go chain codes** on the **Hyperledger Fabric** Network.
- Engineered **CI/CD pipelines** with **GitLab CI/CD** and **GitHub Actions**, accelerating deployment cycles by **46%**.

PROJECTS

FabriQuik [Github](#)

- Developed an intuitive **CLI tool** in **Golang** that **simplifies** the setup of **permissioned blockchain networks**.

Blockchain Network Deployment using Kubernetes [Github](#)

- Deployed a Hyperledger Fabric Permissioned Blockchain Network on a **Kubernetes cluster**, utilizing **Deployments, Jobs, ConfigMaps, Secrets, Persistent Volumes with NFS**, and **NGINX Ingress controller**.

Electronic Data Interchange(EDI) Workflow Enhancement [Github](#)

- Led the development of an **Blockchain-based EDI solution**, enabling real-time **data exchange** and **document synchronization** within the **supply chain**.

Infrastructure Management with Terraform [Github](#)

- Implemented Terraform projects including **AWS EC2 remote provisioning**, **DynamoDB creation**, **S3 remote backend setup**, **secret management**, and **Terraform Workspaces**.

SKILLS

Programming Languages - Go, Python, Bash, Javascript, Groovy.

Frameworks - Gin, Echo, Gorilla Mux, NodeJS, ExpressJS, Hyperledger Fabric, Web3, Ethereum, Truffle.

Database Management - MySQL, PostgreSQL, CouchDB, MongoDB, Neo4j.

Cloud - AWS-EC2, S3, RDS, ELB, ALB, Auto Scaling, IAM, VPC, Route53, Lambda, Azure.

Containerization - Kubernetes, Amazon EKS, Amazon ECS, Docker, Helm, Docker-Swarm, Container Security.

Infrastructure Management (IaaS) - Terraform, Ansible, CloudFormation, Puppet.

CI/CD - Jenkins, Github actions, GitLab CI/CD, ArgoCD.

Software Methodologies - Agile, JIRA, SCRUM, Design Patterns, Microservices, REST, gRPC, Multithreading, Concurrency, Test-Driven Development (TDD), Code Quality & Review.

CERTIFICATIONS

Certified Kubernetes Application Developer (CKAD)

[Badge](#)

Hyperledger Fabric Certified Practitioner (HFCEP)

[Badge](#)