Tripathi A

Software Engineer, 3+ years experience
Gurugram, India
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Dedicated and inquisitive software engineer with 3 years of experience specializing in blockchain and DevOps solutions. Certified Hyperledger Fabric practitioner through the Linux Foundation, demonstrating expertise in live projects across diverse domains including Healthcare, Government, Energy, Finance management and Record Management. Holds a Bachelor's degree in Engineering from SRM Institute of Science and Technology.

INDUSTRIES: Government, Software and Platforms

TECHNICAL SKILLS

• Hyperledger Fabric	3 years
• Grafana	3 years
• Hyperledger explorer	3 years
• Hyperledger FireFly	3 years
• CouchDB	3 years
• DevOps	3 years
• Git	3 years
• MongoDB	3 years
• MySQL	3 years
• Blockchain	3 years
• REST APIs	3 years
• Docker	3 years
• Kubernetes	3 years
• golang	3 years
• Java	3 years
• Spring Boot	3 years
• Ethereum	3 years
• Prometheus	3 years

SOFT SKILLS

Teamwork, Communication, Problem-solving, Time management

PROJECT DETAILS

- Blockchain Based Record Management System

Project Description: Implemented a blockchain-based Record Management System for NDMC, integrating blockchain with Birth and Death Application.Managed critical documents using Hyperledger Fabric, tracking changes with unique checksums, HASH IDs, versions, user attributes, and other metadata.
Responsibilities: Blockchain Architecture Design,Private Blockchain network Setup, Chaincode Design, REST API development
Technologies: Private Blockchain,Hyperledger Fabric, Golang, Java, Spring Boot, MySql, Docker, Kubernetes, Grafana, Prometheus
Industry: Government
Link: https://bnd.ndmc.gov.in

• Blockchain Based Digital Wallet System

Project Description: Custom-built platform for a utility-based public sector client, tailored for billing and reconciliation solutions using Hyperledger Fabric. Successfully delivered a digital wallet platform hosted on both a private cloud and Amazon AWS. Utilized Java, Hyperledger Fabric, MongoDB, Golang, MySQL, and OpenAM in the technology stack.
Responsibilities: Blockchain Architecture Design,Private Blockchain network Setup, Chaincode Design, REST API development
Technologies: Private Blockchain,Hyperledger Fabric, Golang, Java, Spring Boot, MongoDB, Docker, Kubernetes,Grafana, Prometheus
Industry: Government

• Low Code Blockchain Platform

Project Description: Leveraged Low Code Development platforms for blockchain integration, enabling enterprises to harness the benefits of blockchain technology. Authored Kubernetes YAML configurations to automate the deployment of Hyperledger networks, ensuring efficient and streamlined processes. Ensured the seamless deployment of chaincode on the network by leveraging Fabric external services. Successfully integrated a generic fabric client service into the platform, enhancing overall functionality and user experience.
Responsibilities: Blockchain Architecture Design,Private Blockchain network Setup, Chaincode Design, REST API development, Automation Script development, Helm charts design
Technologies: Private Blockchain,Hyperledger Fabric, Golang, Java, Spring Boot, MongoDB, Docker, Kubernetes,Grafana, Prometheus, MySql, Minio object Storage, Vault
Industry: Software and Platforms
Link: https://integrandtech.com/lcbpage.html

EMPLOYMENT HISTORY

• Software Engineer

Description: Led the entire project life cycle, from business requirements to production deployment.Architected Docker Swarm and Kubernetes-based solutions for deployment of Hyperledger Fabric network in UAT and Production environments.Deployed 20+ chain code written in Golang.Developed REST-based blockchain integration services using Hyperledger Fabric Java SDK.Implemented monitoring of blockchain network using Grafana, Prometheus, and ELK stack.Integrated Hyperledger Explorer within the Kubernetes and Docker setup.Executed complex tasks such as adding new orderers, organizations, certificate renewal, and endorsement policy changes on a running network

CERTIFICATION

• Certified Hyperledger Fabric Practitioner by The Linux Foundation 2024

EDUCATION

• Bachelors degree in Computer Science and Engineering from SRM Institute of Science and Technology 2017 - 2021

LANGUAGES

• English - advanced

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