

MEDAPALLI KALYAN

BACKEND DEVELOPER

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SUMMARY

I am a backend developer with over 2.5 years of experience specializing in Go (Golang), Java and blockchain technologies. I excel in problem-solving and developing robust systems that enhance performance and reliability. My expertise includes creating intuitive SDKs and managing complex transaction systems. I am committed to continuous learning and collaboration in diverse teams to deliver impactful results.

PROFESSIONAL EXPERIENCE

Spectember 2022 – Present | Dugong Global Services Pvt Lmt, Hyderabad, India |

Backend Developer

- Led development of Pos blockchain platform, enhancing scalability and sustainability.
- Contributed to the development of core, chain-go, and vm-go(virtual machine) components, achieving 98% project completion with high-quality, production-ready code.
- Improved transaction management, including transaction signing, sending, and monitoring, improving the overall performance and reliability of the blockchain system.
- Assisted in debugging and troubleshooting difficult Problems related to transaction handling state management and execution consistency in a multi-node Web environment.
- Ensured reliability, security, and performance through comprehensive testing.
- Developed and maintained the Virtual Machine for executing WebAssembly (WASM) smart contracts on the DharitriOne blockchain, contributing to open-source development on GitHub and collaborating with the developer community.

TECHNICAL SKILLS

Frontend: ReactJS, Material-UI, Redux

Backend: Go (Golang), Flask, Node.js

Communication Protocols: gRPC

Database: SQL, MongoDB

Programming Languages: Go (Golang), Java, Python, Rust, Javascript

Version Control: Git

Code Editor: Visual Studio

Operating Systems: Linux, Windows

Soft Skills: Analytical, Innovator, Conflict Resolution, Communication, Adaptability, Team Collaboration

EDUCATION

2022 - 2025 : Bachelor of Business Administration from Manipal University, Jaipur (2025)

ADDITIONAL INFORMATION

Languages: English, Telugu, Hindi, Tamil.

Core Competencies: Blockchain Development, Smart Contract Development, Consensus Algorithm Design, Debugging & Troubleshooting in Go and Rust, API Design (gRPC, REST, WebSocket), Secure Key Management and Cryptographic Operations (BLS12-381, Ed25519, SHA-256), Emulator and Testnet Utilization, Performance Profiling (Delve), Cryptographic Protocol Implementation, Technical Documentation and Specification Writing.

Certification: Indo-Dutch Cybersecurity Summer School – Specialization in Deepfake Detection and Analysis