ASHISH RANJAN

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OBJECTIVE

Experienced **Golang Developer** with **3 years** in **backend** and **distributed systems**, specializing in **scalable microservices**, **blockchain** (**Hyperledger Fabric**), and **high-throughput platforms** like **IMPS**. Proficient in **Go**, **Kubernetes**, **Kafka**, and **Prometheus**, with strong focus on **concurrency**, **cryptographic protocols**, and **production-grade system reliability**. Seeking an **SDE role** to build **secure**, **efficient**, and **scalable backend solutions**. Passionate about delivering **clean**, **observable code** and driving **system improvements** through **automation** and **performance tuning**.

WORK EXPERIENCE

Associate Blockchain Developer · National Payments Corporation of India · Aug 2023 - Present

- Contributed to **performance benchmarking**, scaling **Hyperledger Fabric** by **2000X**, reducing infra cost.
- Designed and deployed modular microservices using **gRPC** and **Go** for **CBDC platform**, **IMPS**, **CBDC**.
- Optimized **transaction throughput by 40%** using **Merkle proofs** for validation, reducing resource consumption.
- Integrated **Kafka-based event streaming**, improving **audit traceability** and **decoupling services**.
- Designed **data migration** and seamless **orderer switching**, minimizing downtime and infrastructure costs.
- Integrated **zkSNARKs** for enhanced privacy, reducing data load without compromising system efficiency.
- Developed **scalable smart contracts** to drive secure financial and supply chain operations with optimized costs.

Graduate Engineer Trainee · National Payments Corporation of India · Aug 2022 - Aug 2023

- Built blockchain prototypes with **Hyperledger Fabric** using **Golang**.
- Contributed to the **IMPS project**, ensuring secure and efficient transactions.
- Designed **APIs** and **smart contract**s, gaining expertise in cryptographic protocols.
- Gained hands-on experience with **Docker** containerization and **Kubernetes** orchestration.

Java Full Stack Developer Intern · Cognizant Technology Solutions · Feb 2022 - Aug 2022

- Improved **user experience** through backend development using **Java** and **Spring**.
- Managed **databases** and participated in **Agile** practices for project delivery.
- Utilized **Git** for efficient version control in a collaborative environment.

SKILLS

- **Programming Languages: Go** (Golang), Solidity, Java, Python, SQL, Bash
- **Frameworks/Tools:** gRPC, REST, **Kafka**,Redis, MongoDB, PostgreSQL, **Hyperledger Fabric**
- **Testing:** Unit Testing, Integration Testing, Load Testing, Contract Testing (Pact)
- **Monitoring & Observability:** Prometheus**,** Grafana
- **DevOps & Tools:** Git, Docker, **Kubernetes**, GCP
- **Others: Git, CI/CD, Microservices,** Blockchain, Concurrency, **Distributed Systems**, Event-Driven Architecture

EDUCATION

Postgraduate Degree in Blockchain and Distributed Ledger Technologies · Feb 2023 - Feb 2024

IIIT Hyderabad · Grade: Excellent
- Relevant Coursework: Designed and implemented scalable blockchain solutions.

Sir MVIT, Bangalore · Grade: 8.6 · Aug 2018 - Aug 2022
Bachelor of Engineering (Information Science)

ACHIEVEMENTS

- Winner of a **college-level coding contest**.
- Recognized for **exemplary leadership** and outstanding internship performance.
- Distinction in **Blockchain Certification** and **Academic Excellence Award**.
- Led college-level tech events and participated in various college activities.