PUJITH M

Senior Software Engineer | Blockchain Expert | Web3 Enthusiast

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SUMMARY

Experienced **Senior Software Engineer** specializing in **backend development**, blockchain indexing, and web3 API integration. Skilled in **Golang, Spring Boot, and Kafka**, with a proven track record of building scalable blockchain solutions, web3 notification engines, and backend systems. Passionate about optimizing performance, implementing best practices, and driving innovation in blockchain and web development.

PROFESSIONAL EXPERIENCE

Senior Software Engineer

04/2021 - Present

Unmarshal

Bengaluru, India

A multi-chain data infrastructure company that provides seamless access to blockchain data for **Wallets**, **DeFi**, and **NFTs**.

- Designed and built a high-performance **blockchain data indexing solution**, optimizing data retrieval for decentralized applications and efficiently handling **500M+ API requests per month**. Improved scalability and reliability using **Golang, LevelDB, DynamoDB, Kafka**.
- Led a team of **five engineers**, providing **technical guidance, code reviews, and mentorship** to uphold best practices in **blockchain indexing and microservices architecture**, fostering a high-performance development environment.
- Developed **Unmarshal Parser**, a zero code **smart contract visualization tool** that simplifies **data indexing and retrieval** using **contract ABI and addresses**, similar to **The Graph**. Built with **Golang, Postgres, and GraphQL** for efficiency and scalability.
- **Integrated ChatGPT APIs** to visualize user wallet details, market trends, and price insights, enhancing user experience with AI-driven data representation. Typescript, OpenAPI, NextJs
- Designed and built a **scalable Web3 notification engine**, delivering **50M+ real-time notifications per month** on **blockchain events, transactions, and smart contract interactions**. Optimized for performance and reliability.
- Led the development of Xscan, a cross-chain blockchain explorer, increasing blockchain data retrieval speed by **30%** and serving **50K+ monthly users**.
- Implemented an **API gateway** processing **20M+ requests daily**, enhancing authentication security and cutting unauthorized access by 60%.
- Developed **TypeScript and Go SDKs** for the **Unmarshal API suite**, reducing **integration time by 50%** and enabling developers to seamlessly interact with blockchain data through a standardized and user-friendly interface.
- Implemented a **centralized logging and monitoring system** using Grafana, Loki, and Prometheus, enhancing system observability, **reducing MTTR (Mean Time to Resolution) by 50%**, and improving **proactive incident detection and response efficiency**.

SDE-2

12/2019 - 03/2021

Navi Technologies Pvt Ltd

Bengaluru, India

A digital financial services company that leverages technology to simplify lending and personal finance solutions.

- **Built & Maintained Core Accounting Systems:** Developed and maintained the internal accounting system for Navi's personal loan platform using Spring Boot, Kafka, and Psql.
- **Automated Loan Collection System:** Developed a rule-based automated loan collection system that boosted efficiency by 15% by automating repayment reminders and streamlining customer management.
- **Ensured Regulatory Compliance:** Contributed to ensuring compliance with regulatory requirements by generating and submitting CIBIL reports to credit bureaus in a timely and accurate manner.

Software Developer

07/2018 - 11/2019

MavenHive Technologies

Bengaluru, India

A Bangalore-based consulting firm that accelerates early-stage startups by transform innovative ideas into market-ready products, later acquired by Navi.

- **CRED:** Developed an internal dashboard using React JS to configure Cred products, streamlining the management process.
- **CultFit:** Contributed to the development of an e-commerce system for Cult Gear, focusing on inventory management functionalities.

SKILLS

Programming Languages
Golang, Typescript, Solidity, Rust

Backend & Frameworks
Node.js, Spring Boot, Kafka, Kubernetes, Docker, AWS, GCP

Databases & Caching
Postgres, Redis, LevelDB, DynamoDB

Blockchain & Web3
Web3.js, Foundry, Geth, RPC

Frontend
React.js, Next.js, MUI, Tailwind

EDUCATION

Bachelor of Engineering in Computer Science

SJB INSTITUTE OF TECHNOLOGY

2014 - 2018   Bengaluru, India

KEY ACHIEVEMENTS

Developed a Consensus Mechanism for Token Balances

Designed a system to ensure atomicity and 100% accurate token balances. Shifted from fetching balances on demand to real-time tracking, reducing node calls by 70% and significantly lowering operational costs.

Modularized Blockchain Indexers for Non-EVM Chains

Implemented a modular indexing framework using Go generics and well-defined interfaces. This reduced development time for new chain integrations by 60-70%, streamlining blockchain data processing.

Optimized Data Storage in LevelDB

Transitioned data storage from JSON to ProtoBuf, improving performance, reducing storage usage by 30%, and cutting costs.

Technical Hiring, Mentorship, and Training

Led the hiring and onboarding of freshers, mentoring them in Agile methodologies, writing high-quality code, and structured software development practices to build a strong engineering culture.