

Abishek Srinivasan

Backend & Distributed Systems | Blockchain & Smart Contracts

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SUMMARY

Software Engineer with 6+ years of experience building scalable backend services and high-volume trading systems. Designed many microservices architectures, optimizing system performance, ensuring system reliability and leading engineering teams to deliver projects. Passionate about blockchain technology.

SKILLS

Languages: Python, C++, Rust, Java, Solidity, Node.js, TypeScript

Frameworks & Architecture: Microservices, APIs, Event-Driven Architecture, CI/CD

Infrastructure & Tools: AWS, GCP, PostgreSQL, Kafka, Redis, MongoDB, Docker, Kubernetes, Git, Jira, Notion

EXPERIENCE

STFX - Senior Software Engineer

JUN 2022 - Present

- Designed smart contracts for **\$6–7M in transaction volume** and architected a high-load trading platform handling **\$2M+ daily volume**.
- Led **migration to microservices architecture** to integrate with external exchanges like Hyperliquid.
- **Collaborated with the design team** to scope features and deliver on the product roadmap.
- **Scaled engineering team by leading hiring and managing 6 new developers.**
- Established **code review standards and engineering practices** to increase shipping speed and reduce bugs.
- Eliminated **duplicate transactions by enforcing idempotency, atomic guarantees**, and unique constraint checks.
- **Implemented event-driven communication via Kafka** to keep microservices state consistent.
- **Optimized PostgreSQL queries and Redis connection pooling** while mentoring the team, **reducing system latency by 30%.**
- Developed **retry and circuit-breaker strategies** for exchange outages and partitions.
- Integrated **structured logging, metrics, and alerting across microservices** to reduce mean-time-to-detection for production incidents.

Orion Telecom - Software Engineer

JUL 2019 - JUN 2022

- Developed **RESTful APIs** for fiber network provisioning, customer onboarding, and activation.
 - **Created internal automation tools** for network diagnostics, reducing manual checks by 60%.
 - Built self-service portals with frontend teams for coverage checks and upgrade requests.
 - **Developed an analytics dashboard** to track network performance and activation metrics for operations.
 - Designed asynchronous job processing to decouple long-running diagnostic tasks from user-facing APIs.
 - **Used Redis caching and SQL optimization** to reduce database load and provisioning response times.
 - Integrated **automated testing and rollback logic** into CI/CD pipelines to reduce deployment failures.
 - Versioned API contracts to support multiple downstream consumers without breaking changes.
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EDUCATION

Bachelor of Technology | Vellore Institute of Technology (VIT), Vellore | 2013- 2017

Masters in Management | Deakin University, Melbourne | 2017 - 2019