

Aryan Mishra

Senior Software Engineer

✉ aryan29mishra@gmail.com | 📞 +918009466695

🌐 <https://aryancodes.in> | 🐙 github.com/aryanmishra29 | 🔗 linkedin.com/in/aryanmishra29

Professional Summary

Senior Software Engineer with **3 years** in full-stack development, leading teams of 5+ engineers. Proven track record in scaling applications to **1M+ users** and developing **Distributed Computing** solutions. Expertise in full-stack development with Nextjs, Nodejs, Typescript, Supabase, and AWS cloud architecture.

Experience

Senior Software Engineer

Feb 2026 - Present

Substrate AI *Typescript, Serverless Deno, Node JS, Vue JS, Supabase, GPU Cloud, Linux, AWS Cloud, CI/CD*

- Built a comprehensive platform for the underlying GPU and Cloud Infrastructure, designed in **VueJs** and built on Supabase's serverless **Edge functions**.
- Designed and Implemented a secure payment and credits management service for the cloud platform, powered by **Stripe**.
- Developed and managed **Pub/Sub services, Serverless Functions, Crons** with proper security parameters in place
- Developed **AI workflows** for business dashboards and data aggregation.
- Designed and developed **REST & Graph QL** APIs in Typescript
- Managed the company's cloud on Supabase and AWS

SDE 2

Dec 2024 - Jan 2026

GPU.net *Rust, Substrate, Layer-1 Blockchain, Solidity, Smart Contracts, Typescript, Node JS, AWS Cloud, CI/CD*

- Built a trading exchange with FIFO Orderbook, in **NodeJS**, with **<5 ms** latency, utilizing **Redis Queue** and **SSEs** for real-time interaction.
- Led a team of over 5 engineers for designing and developing **Layer-1 blockchain** using **Rust**, as well as smart contracts in Rust & Solidity
- Led end to end product development on Application Layer of blockchain, with **Typescript** backend, **Web-Sockets** and **state-full services**, smart contracts in **Solidity and Rust**
- Developed and managed **Pub/Sub services, event listeners, blockchain bridges**, with proper security parameters in place
- Handled over 1M users and **100K MAUs** in one of the product with **Globally Accelerated Cloud Distributions** and Auto-scaling using **Kubernetes**
- Developed and managed centralized Authentication service with IDP, and **session based auth**, with **WAF protection**.
- Designed and developed **REST & Graph QL** APIs in Typescript
- Managed the company's cloud on AWS, using AWS **EC2, Lambda, CDN, WAF, ELB, VPC, S3, Routes 53**

SDE

Oct 2023 - Nov 2024

GPU.net *Javascript, Node JS, Solidity, REST, GraphQL, AWS Cloud, CI/CD, Blockchain*

- Designed and developed REST & Graph QL APIs in Node JS
- Created, tested and deployed **Smart Contracts** on various Blockchains
- Managed Layer 1 **POS+POW Blockchain** as well as implementing the consensus logic
- Managed the company's cloud on AWS, using AWS EC2, AWS Lambda, AWS S3, Routes 53, Amplify
- Created CI/CD pipelines for the company's projects using **GitHub actions, Docker**

Java Developer Consultant (Part-time)

Apr 2024 - Dec 2024

Infinisync Consulting Services *Java, SpringBoot, REST API, Microservices, PostgreSQL, Kafka, LLM, ML*

- Built **microservices** for a backend system to be used by US Dental Healthcare.
- Used **Java, Spring Boot** and their industry standard practices to build the robust application.
- Integrated **LLM** using **LangChain4J**, as well as implemented **Similarity Search** using ML model.
- Handled image and video upload processing and feeding to **DL Model**.
- Implemented listeners to **Kafka** topics for asynchronous pipelines and services
- Designed **crons** and schedulers to schedule bulky computations on huge datasets.
- Developed **API Gateway** and Authorization for the client side APIs.

Technical Skills

Blockchain & Web3:	Rust, Substrate, Solidity, Smart Contracts, Layer-1 Development, Consensus Mechanisms, DeFi
Backend Development:	TypeScript, Node.js, Java, Spring Boot, REST APIs, GraphQL, Microservices Architecture
Cloud & Infrastructure:	AWS (EC2, Lambda, S3, CDN, VPC, ELB, WAF, Cloud Watch, Route53, Amplify), Kubernetes, Docker, CI/CD Pipelines
Databases & Systems:	PostgreSQL, Event-driven Architecture, Pub/Sub, Message Queues, Kafka
Security & Auth:	WAF Protection, IDP Integration, Session Management, Blockchain Security

Education

B.Tech Computer Science and Engineering (AI&ML) Dr. APJ Abdul Kalam Technical University, Lucknow	Graduated: July 2025 GPA: 8.61/10, 1 division with Distinction
Intermediate in Physics, Chemistry and Math Central Board of Secondary Education, New Delhi	Passed: Apr 2020 Percentage: 88.6%

Leadership and Volunteering

Co-founder and President <i>DevUp (technical society)</i>	Oct 2022 - Oct 2023
<ul style="list-style-type: none">Led a team of 30 members to co-found a technical society, which trained students in Android Development, Web Development, Machine Learning, Extended Reality and Competitive Programming.	
Core Team Member <i>Innogeeks (technical society)</i>	Dec 2021 - June 2025
<ul style="list-style-type: none">Worked with a team of 19 members to conduct an All-India hackathon Innohacks 1.0(2022) and 2.0(2023), wherein a total of 35 teams participated from all over the country.Mentored a batch of 30 junior members in the domain Android Development.	

Technical Publications

• Decorator Design Pattern	<i>Blog Post</i>
• Observer Design Pattern	<i>Blog Post</i>
• Strategy Design Pattern	<i>Blog Post</i>