

ADITYA BIRLA

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PROFESSIONAL SUMMARY

6+ years as Senior Software Engineer with proven expertise in Go (Golang), Node.js, Python, React.js, and Kubernetes microservices across fintech, ERP, and B2B SaaS. Track record of scaling a low-latency trading platform to 10,000 TPS (P99 under 25ms) and leading cross-functional teams through Agile/Scrum sprint planning, code reviews, and technical mentorship. Adept at distributed systems design, full-stack delivery, and production Python RAG/LLM integration. Seeking to bring measurable backend performance and end-to-end ownership to remote or hybrid senior full-stack roles.

TECHNICAL SKILLS

Technical Skills: Go (Golang), Node.js, Python, TypeScript, JavaScript, React.js, Next.js, FastAPI, gRPC, REST APIs, Redis, WebSockets, Message Queues, PostgreSQL, MongoDB, Docker, Kubernetes, AWS, CI/CD, Git

Methodologies: Agile, Scrum, Microservices, System Design, Distributed Systems, Full Stack Development, Code Reviews, Technical Mentorship

AI and LLM: Python, RAG, LangChain, FastAPI, LLM, Vector Databases

Frontend and Tools: React Native, Electron.js, Tailwind CSS, Webpack, Vite, Monorepo

PROFESSIONAL EXPERIENCE

Senior Software Engineer (SDE-3) | Softify Business Cloud | New Delhi, India | Mar 2024 - Present

- Engineered low-latency Go/gRPC trading platform processing 10,000 TPS with P99 latency under 25ms for 100+ concurrent users; migrated critical paths from Node.js (100ms+ latency) to Go.
- Spearheaded high-value transaction flows up to Rs. 5 Crore INR across 5 gRPC services with Redis, MongoDB, and concurrent fan-out/fan-in patterns.
- Owned end-to-end trucking ERP as 6 microservices (trip planning, multi-party invoicing, delivery metrics) with guaranteed data integrity on Docker and Kubernetes.
- Deployed Python/FastAPI LangChain RAG pipelines and 2+ LLM microservices for operational log summarization and business data querying in production.
- Led Agile/Scrum sprint planning, task decomposition, and code reviews across cross-functional teams; drove multi-tenant CI/CD and real-time message queue streaming.

Full Stack Developer | Cheers Interactive | Remote | Nov 2022 - Mar 2024

- Delivered enterprise market research applications with TypeScript, React.js, and Webpack/Vite tuning for high-traffic B2B SaaS dashboards serving concurrent user sessions.
- Architected parallel distributed system with 4 services, Redis, message queues, and WebSockets under high concurrency; eliminated quota race conditions via atomic Redis locking.
- Implemented idempotent job handlers and process locking to prevent data race conditions across parallel user workflows.
- Championed monorepo adoption with shared TypeScript and ESLint configs, accelerating delivery velocity across 3+ product lines.

Full Stack Developer | NeuralSift | Remote | Jan 2020 - Oct 2022

- Owned full-stack delivery of security and IoT products with production ML (ANPR and face recognition) across edge hardware, backend ingestion, and multi-platform field apps.
- Developed custom BLE Node.js SDK for React and React Native, bridging proprietary hardware streaming to scalable cloud services.
- Shipped Electron.js clients with live video pipelines, bounding-box geo tagging, and offline-first sync maintaining 100% transactional data fidelity across devices.

- Designed Node.js REST APIs and backend ingestion layer supporting live ML inference across 2+ production field deployments over 2 years 10 months tenure.

PROJECTS

ANPR SaaS | Sep 2023 - Present

- Offline-first ANPR SaaS (React, Electron.js, service workers) for camera settings, violations, and aggregation; MQTT/WebSocket alerts and REST event collection in containers. Skills: React.js, Electron.js, Node.js, MQTT, WebSockets, REST APIs

Lucky 007 - 3D Casino Platform | Jan 2023 - Apr 2023

- 3D casino games via Blender/Three.js in React; monorepo microservices on Node.js/Fastify with RabbitMQ and Pusher WebSockets. Skills: React.js, TypeScript, Three.js, Node.js, Fastify, WebSocket, RabbitMQ, Monorepo

CUSOON - Connecting in Needs | Aug 2022 - Dec 2022

- React Native roadside assistance app with B2B multi-outlet onboarding, RBAC, and WhatsApp service channel without app install. Skills: React Native, React.js, Node.js, Prisma ORM, REST APIs, WhatsApp, EAS

Wildwest - Web3 & NFT | Oct 2022 - Dec 2022

- Discord verification bots, 3D Next.js/Three.js sites, and Merkle-tree NFT whitelist APIs with Ethers.js. Skills: Next.js, React.js, TypeScript, Three.js, Node.js, Discord.js, Ethers.js

Niveshkro - Portfolio Management | Apr 2021 - Nov 2021

- Investment platform for one-time/SIP fund flows with payments, withdrawals, and statements. Skills: React.js, Node.js, Fastify, REST APIs

CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT

- Udemy: Advanced Systems and Orchestration (multi-agent engineering, secure LLM tool routing).
- Udemy: Enterprise Generative AI (LLM hosting, guardrails, AWS performance tracking).

EDUCATION

Bachelor of Technology in Computer Science | Global Institute of Technology Management | Gurugram, Haryana | 2020