

Alok Bhawankar

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Bengaluru, India

SUMMARY

Backend engineer with 5+ years of experience, mostly in TypeScript and Node.js. I build secure APIs, authentication and identity flows, and real-time distributed systems, lately across healthcare RCM and earlier across payments and analytics on AWS.

TECHNICAL SKILLS

- **Languages & Frameworks:** TypeScript/JavaScript, Node.js, Express.js, React, Python, FastAPI
- **APIs & Identity:** REST APIs, OAuth 2.0, OIDC, JWT, Identity & Access Management (IAM), Session Management
- **Databases & Messaging:** PostgreSQL, MongoDB, Redis, Kafka, RabbitMQ, Snowflake, Pinecone
- **Cloud, DevOps & Testing:** AWS (S3, Lambda, ECS, EKS, CloudWatch, CloudFront, ElastiCache, SES), Docker, Kubernetes, CI/CD (GitHub Actions), Nginx, Jest, Pytest, Dagster, Airflow
- **AI & LLMs:** LangChain, LangGraph, LlamaIndex, RAG Pipelines, Multi-Agent Orchestration, LLM Evaluation, AI Guardrails

WORK EXPERIENCE

- **Sciometrix** Bengaluru, India
Senior Software Engineer Apr 2026 – Present
 - Built an RCM claims-processing system in TypeScript and PostgreSQL, parsing 20,000+ insurer 835 remittance files monthly via Waystar (\$50M+ in claim value) and generating automated billing and resubmission reports.
 - Designed and built a central data orchestration platform (React front end, TypeScript back end) consolidating 15+ scheduled jobs, pipelines, and workflows from scattered VMs and Lambda, used daily by the TechOps team.
 - Built multi-tenant, tenant-scoped user management shared across multiple RCM products, covering user provisioning and deactivation, role-based access control, and strict tenant isolation of PHI-adjacent billing data.
 - Founding engineer on the new RCM team, mentoring 5 developers and establishing the engineering principles, code review process, and testing practices the team works by.
- **GrowthX** Bengaluru, India
Senior Software Engineer May 2023 – Apr 2026
 - Led identity and payments infrastructure across 20+ products in TypeScript, shipping secure REST APIs with JWT/OAuth, RBAC, and session management for 80,000+ users, plus Razorpay and Stripe integrations at 99.9%+ availability with CloudWatch alerting and on-call response.
 - Built a flash-sale queuing and raffle system in TypeScript with WebSockets, Redis, and MongoDB, absorbing 5K+ concurrent users at peak without latency degradation.
 - Shipped a real-time analytics pipeline with TypeScript event producers and Kafka, streaming video-engagement data into Redshift and Metabase dashboards used daily by business teams.
 - Automated candidate screening end-to-end in TypeScript, enriching applicant profiles from LinkedIn and scoring 10K+ applications monthly through an LLM evaluation service built on LangChain agents, RAG pipelines, and structured-output guardrails, improving acceptance quality by 75%.
 - Built LLM-as-Judge evaluation and content moderation services in TypeScript and MongoDB, scoring event quality through agentic workflows with structured-output guardrails.
- **Vibrent Health** Pune, India
Data Engineer Jul 2021 – May 2023
 - Built ELT pipelines in Python with Pandas, DBT, and Snowflake. Automated workflows with Dagster, deployed on Docker and Kubernetes, set up Metabase dashboards, and designed a FastAPI query builder for complex filters.

PROJECTS

- **Web Pentest Toolkit:** Scans websites for XSS, SQLi, and MITM vulnerabilities. Built it as a practical tool for penetration testing and recon.

EDUCATION

- **MIT World Peace University** Pune, India
B.Tech in Computer Science, CGPA: 9/10 2017 – 2021