

BASHEERUDDIN SHEIK

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SUMMARY

Senior Software Development Engineer with 5+ years of experience designing and delivering high-availability distributed systems, **AI-powered** applications and enterprise SaaS across fintech and healthcare on **TypeScript, Node.js, GraphQL and Kafka**. Proven in leading technical design, mentoring junior engineers and driving measurable business outcomes. Consistently delivers at senior scope owning production systems end-to-end and achieving **40% latency reduction, 12x onboarding acceleration** and **70% faster development cycles** across Agile/Scrum, CI/CD and multi-cloud environments (GCP, AWS, Azure). GCP Professional **Cloud Architect** certified.

EXPERIENCE

Foundation Finance Company LLC

Oct 2024 – Present

Senior Software Development Engineer

Hyderabad

- Owned the **V2 Integrator API** platform end-to-end, enabling external partner self-service loan submission and real-time webhooks, improving API response performance from **50s to under 5s** in production.
- Designed integrator auth on **AWS Cognito** with OIDC and M2M flows, enforcing fine-grained authorization via AWS Verified Permissions (Cedar) and built a production-grade webhook system with **HMAC** signatures, retry logic, circuit breaker, and full audit logging.
- Architected and delivered the **Dealer Management System** end-to-end, leading the team by driving technical decisions and translating business requirements into engineering solutions covering the full dealer lifecycle across **7+ financial providers** and **~14,000 active dealers**.
- Built a highly available **gRPC**-based event system with **Salesforce and Apex** as source of truth, enabling real-time sync across all internal systems with **zero data loss**, improving dealer onboarding efficiency by **92%** from **60 min to under 5 min**.
- Engineered a distributed and fault-tolerant **Workflow Orchestration Engine** (KafkaJS + GraphQL subscriptions) with configurable state machines, retry logic, and dead-letter queues, enforcing **CQRS** across critical transaction flows, cutting processing latency by **40%**.
- Owned and delivered **ONE App**, a unified one-stop portal built on NestJS and React with granular RBAC, SLA monitoring, and **AI-powered anomaly alerting** via **New Relic**, conducting regular code reviews and reducing cross-team operational overhead by **35%**.
- Built **Bifrost**, a prompt-driven API automation framework powered by **Amazon Q**, enabling developers to generate end-to-end API implementations using structured prompts, reducing development time by **70%** and enforcing consistent architecture patterns across teams.

Opstronomy Health Technologies Pvt Ltd

Feb 2024 – Sep 2024

Software Development Engineer | Client: Apollo TeleHealth Services

Hyderabad

- Engineered an **AI-powered Care Console** for **250+ hospitals** integrating LLM-based agents (Gemini, ChatGPT) for automated patient interaction, improving care team efficiency by **60%** and reducing manual intervention by **70%**.
- Architected a patient-facing AI agent powered by Gemini and MedLM, addressing patient inquiries via conversational AI, increasing patient satisfaction scores by **15%** and deflecting **40%** of inbound care team queries.
- Designed multi-tenant GraphQL and REST APIs on a HIPAA-compliant healthcare SaaS using Hasura and PostgreSQL, enforcing row-level org isolation, RBAC, and real-time **WhatsApp-based patient engagement**, reducing API response time by **30%**.
- Deployed and managed **8+ healthcare microservices** across GCP, maintaining **99.9% uptime** and supporting **500+ concurrent care plans** with XState-driven workflow automation, cutting care plan processing time by **25%**.

Apollo TeleHealth Services (HNG)

Aug 2021 – Jan 2024

Software Developer

Hyderabad

- Developed a **Billing Module and EMR Studio System** for **250+ hospitals** across **5+ departments**, orchestrating **70+ workflows** for invoice generation and clinical processes using Temporal and NOVU, improving billing accuracy by **30%** and eliminating **100%** of manual processing.
- Built a high-performance admin application managing **100K+ records** with bulk operations and advanced filtering, improved DB query performance by **60%** via strategic indexing, and integrated Directus and Strapi, reducing content deployment time by **70%**.
- Set up and deployed **13+ microservices** from scratch across Azure and AWS via CI/CD pipelines, achieving **99.9% uptime** for mission-critical healthcare workloads.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, C, SQL

Backend: Node.js, NestJS, Express.js, GraphQL, gRPC, REST APIs, Kafka, WebSockets

Frontend: React, Next.js, Angular, Tailwind CSS, Material UI, Redux

Databases: PostgreSQL, MongoDB, MySQL, Elasticsearch, Redis

Cloud & DevOps: GCP, AWS (S3, EC2, ECS, ECR), Azure, Docker, CI/CD Pipelines, Firebase, Pub/Sub

AI/ML: LLM, RAG, GenAI, Gemini, ChatGPT, MedLM, Amazon Q

Low-Code & Auth: Strapi, Directus, Hasura, Temporal, NOVU, Auth0, SuperTokens, Salesforce

Observability: New Relic, SonarQube, Distributed Tracing

CERTIFICATIONS & ACHIEVEMENTS

- GCP Professional Cloud Architect** – Google Cloud
- AI Hackathon Runner-Up** – Foundation Finance
- Star Performer & MVP of the Quarter** – Foundation Finance
- Chegg Inc** – 1000+ CS/DSA solutions, >98% rating

EDUCATION

Rajiv Gandhi University of Knowledge & Technologies (RGUKT-IIIT)

2016 – 2020

B.Tech in Computer Science & Engineering

Nuzvid, Andhra Pradesh