

Libin P R

Backend Engineer

Node.js · Spring Boot · PostgreSQL · RabbitMQ · AWS

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GitHub | LinkedIn | Portfolio

PROFESSIONAL SUMMARY

Backend Engineer with 1+ year of production experience building backend services using Node.js, Spring Boot, PostgreSQL, Redis and AWS. Experienced in REST APIs, authentication, payment integrations, caching, microservices and production deployments, with a focus on reliable and scalable backend systems.

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, SQL

Backend: Node.js, Express.js, Spring Boot

Databases: PostgreSQL, MySQL, Redis, pgvector

Cloud & DevOps: AWS EC2, S3, CloudFront, IAM, Docker, Linux

Tools: Prisma, Hibernate, Git, Postman

Core: REST APIs, JWT, RBAC, Caching, Microservices, RabbitMQ, Distributed Systems, System Design

PROFESSIONAL EXPERIENCE

Software Engineer (Backend)

May 2025 – Present

Venturebiz Promotions Pvt. Ltd. (OfferbeeZ)

Bengaluru, India

- Designed, implemented and shipped 50+ production REST APIs powering Admin, Business, Sales and Customer workflows across a hyperlocal commerce platform with 200+ onboarded businesses and 3K+ Play Store downloads.
- Implemented JWT authentication and Role-Based Access Control (RBAC) across multiple user roles, securing backend services against unauthorized access.
- Designed PostgreSQL schemas and optimized queries using composite indexes and normalized relationships for production workloads.
- Integrated Razorpay and CCAvenue payment gateways with idempotent webhook processing to safely handle duplicate payment events.
- Architected and deployed a standalone Spring Boot Banner Management microservice integrated with the core Node.js platform, enabling independent deployments.
- Deployed and maintained backend services on AWS EC2 with S3 and CloudFront for scalable media delivery; diagnosed production issues across APIs, databases, integrations and deployments.

PROJECTS

Scalable URL Shortener | *Node.js, Express.js, PostgreSQL, Redis, Docker* | GitHub

- Designed a read-optimized URL Shortener using Redis Cache-Aside, achieving sub-10ms redirect latency on cache hits and minimizing database lookups for frequently accessed URLs.
- Implemented custom aliases, URL expiry, soft deletion and click analytics; optimized PostgreSQL with partial indexes and documented caching and scalability trade-offs.

NotiX – Distributed Notification Platform | *Java, Spring Boot, RabbitMQ, Redis, PostgreSQL* | GitHub

- Built an event-driven notification platform using RabbitMQ for asynchronous processing, with idempotent consumers, retry mechanisms and Dead Letter Queue (DLQ) handling.
- Applied the Outbox Pattern for reliable event publishing between transactional database operations and asynchronous consumers, designing for eventual consistency and fault tolerance.

AI Knowledge Assistant | *Spring Boot, PostgreSQL, pgvector, LLM* | GitHub

- Implemented a Retrieval-Augmented Generation (RAG) pipeline using vector embeddings and pgvector for semantic search across PDF, DOCX, TXT and Markdown documents.
- Built secure document ingestion and query APIs using Spring Boot, JWT authentication and RBAC, integrating an LLM to generate context-aware responses from retrieved documents.

EDUCATION

S.E.A College of Engineering & Technology

Bengaluru, India

B.E. in Computer Science & Engineering