Anand Namastemath

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Bengaluru, India

Professional Summary

Backend Engineering Lead with **5+ years** of experience architecting scalable systems for enterprise-grade applications. Currently spearheading the modernization of **Verizon Cloud**, migrating legacy systems to high-performance **Spring Boot 3 microservices** with **containerized deployments on OpenShift**. Expert in Java ecosystem (8, 17, 21), **Docker/container orchestration**, Cloud infrastructure (AWS), and end-to-end **CI/CD pipeline management**. Proven track record of reducing infrastructure costs by 30% and improving system performance by 40% through strategic optimization.

Technical Skills

Languages: Java (8, 17, 21), JavaScript/Node.js
Backend Frameworks: Spring Boot 3.3, Spring Cloud, Spring Data JPA, RESTful APIs, Microservices Architecture
Databases: MySQL, PostgreSQL, MongoDB, Redis (Caching & Session Management)
Container & Orchestration: Docker, Docker Compose, OpenShift (Red Hat), Container Registry Management
DevOps & Cloud: AWS (EC2, RDS, ALB, S3, Auto-Scaling), CI/CD Pipelines, Nginx, SSL/TLS Management
Testing & Quality: JUnit, Integration Testing, API Testing, Postman, Test-Driven Development (TDD)
Tools & Practices: Git, JIRA, Splunk, IntelliJ IDEA, Code Review, Agile/Scrum Methodology
Architecture Patterns: API Gateway, Load Balancing, Event-Driven Design, OAuth2/JWT Authentication

Professional Experience

Engineer III - Software Development **Sep 2025 – Present**
Verizon India *Bengaluru*

- **Verizon Cloud Modernization (Project Leo):** Leading the backend re-architecture of the Verizon Cloud application, migrating from a legacy TypeScript monolith to a scalable **Java 21 / Spring Boot 3** microservices ecosystem with containerized deployments
- **Microservices Architecture:** Architected and delivered **8 of 10 core microservices**, enabling independent scaling of storage, authentication, and media processing modules. Designed RESTful APIs following OpenAPI 3.0 specification for seamless service integration
- **Containerization & Deployment:** Dockerized all microservices with multi-stage builds, reducing image sizes by 60%. Deployed to **OpenShift cluster** with automated rollout strategies and health checks, achieving **99.9% uptime** during production releases
- **CI/CD Pipeline Implementation:** Built **AWS-based CI/CD pipeline** integrating automated testing (JUnit), security scanning, and containerized deployments to OpenShift, reducing deployment time from 2 hours to **15 minutes** and enabling daily releases
- **Resumable Uploads Implementation:** Engineered a custom chunked/resumable upload protocol (enhanced TUS) to handle multi-GB file uploads over unstable networks, significantly reducing upload failures and server memory overhead by **70%**
- **Streaming Optimization:** Implemented HTTP Range requests for video streaming with Nginx caching, allowing users to seek/skip video playback instantly while reducing bandwidth consumption by **30%**
- **Security & API Gateway:** Built a custom API Gateway layer using Spring Cloud Gateway to centralize authentication (OAuth2), authorization (JWT), rate limiting, and request routing, ensuring enterprise compliance and reducing authentication latency by **45%**
- **Load Balancing & Traffic Management:** Configured Nginx reverse proxy with AWS Application Load Balancer for intelligent request routing and SSL termination, enabling blue-green deployments and A/B testing capabilities
- **AI-Accelerated Delivery:** Integrated AI coding assistants into development workflow, accelerating unit test generation (achieving 85%+ code coverage) and boilerplate code, facilitating production MVP delivery in a record **2 months**

Lead Engineer **Jan 2021 – Sep 2025**
Snapbizz Cloudtech Pvt Ltd *Bengaluru*

- **Engineering Leadership:** Led a 4-member backend team, establishing code review practices and coding standards. Conducted daily code reviews ensuring **95%+ test coverage** and maintaining **zero P0 production incidents** for 6+ consecutive months. Managed roadmap and delivery for 4 high-priority retail tech products
- **End-to-End DevOps Infrastructure:** Owned full server lifecycle management including AWS configuration (EC2, ALB, RDS), DNS/SSL certificate management (GoDaddy), deployment automation, and monitoring setup (Splunk). Implemented infrastructure-as-code practices for reproducible deployments

- **Containerized Development Environment:** Standardized local development using **Docker Compose**, orchestrating PostgreSQL, Redis, and application services with volume persistence and network isolation. Reduced new developer onboarding time from **2 days to 2 hours** with reproducible container-based environments
- **Infrastructure Cost Optimization:** Consolidated fragmented cloud services (AWS/Digital Ocean) into optimized single-VM deployments with Docker containerization, achieving a **30% reduction in infrastructure costs** ($1200/month savings) while improving resource utilization
- **Scalability & Reliability Improvements:** Migrated legacy monolithic applications to containerized microservices on AWS EC2 with Auto-Scaling groups and Nginx load balancing. Reduced field-reported incidents by **50%** during peak traffic (1000+ concurrent requests). Implemented health checks, circuit breakers, and graceful shutdown patterns
- **Admin Portal Automation:** Developed critical modules for Bulk Store Creation and Nodal Payments using Spring Boot and React, automating manual support workflows and reducing support ticket volume by **40%**. Processed 10,000+ store creation requests monthly
- **Performance Optimization:** Conducted deep-dive analysis on slow API endpoints using profiling tools and query optimization. Optimized database queries (MySQL/MongoDB) with proper indexing and implemented Redis caching strategies, improving API response times by **40%** (from 800ms to 480ms P95)

Education

Visvesvaraya Technological University (VTU) **Belagavi, India**
Bachelor of Engineering in Computer Science and Engineering *Graduated: 2018*

Key Achievements

- Reduced production deployment time by **87.5%** (2 hours $\rightarrow$ 15 minutes) through CI/CD automation
- Achieved **99.9% service uptime** for mission-critical Verizon Cloud microservices on OpenShift
- Cut infrastructure costs by **30%** through strategic containerization and cloud optimization
- Delivered production-ready MVP in **2 months** for Verizon Cloud modernization project
- Maintained **zero P0 incidents** for 6+ months through robust code review and testing practices