MAHESH BABU NARNE

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PROFESSIONAL SUMMARY

Senior Software Engineer with 4+ years of experience designing and delivering scalable, high-performance full-stack applications and distributed systems. Expert in **Java, Spring Boot, Python, C#, C++, and React** with deep expertise in cloud-native architectures, microservices, and RESTful APIs. Proven track record of leading technical initiatives, mentoring engineering teams, and optimizing system performance. Passionate about building reliable, observable, and impactful software solutions across the entire technology stack.

TECHNICAL SKILLS

Programming Languages: Java (5+ years), Python, C#, C++, JavaScript/TypeScript, SQL, Go
Frontend Technologies: React, Next.js, HTML5, CSS3, Redux, Tailwind CSS, Material-UI
Backend Frameworks: Spring Boot, .NET Core, Node.js, Express, Django, RESTful APIs, GraphQL
Cloud Platforms: AWS (EC2, S3, Lambda, DynamoDB), Azure, OCI, Cloud-Native Architecture
Database Technologies: PostgreSQL, MySQL, MongoDB, Cassandra, Redis, Database Design, Query Optimization
Messaging & Streaming: Kafka, RabbitMQ, ActiveMQ, Event-Driven Architecture
DevOps & Infrastructure: Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, CI/CD Pipelines
Monitoring & Observability: Prometheus, Grafana, ELK Stack, Application Insights, Distributed Tracing
Testing & Quality: JUnit, Mockito, Selenium, Jest, React Testing Library, TDD, Integration Testing
Development Practices: Agile/Scrum, Code Reviews, Technical Documentation, System Design, Mentoring

PROFESSIONAL EXPERIENCE

Senior Software Engineer   July 2024 – Present
Apple   *United States*

- Design and implement scalable full-stack applications using **React, TypeScript, Java, and Spring Boot**, handling millions of daily requests with sub-100ms latency.
- Architect and develop microservices with **Python and C#** for event-driven data processing pipelines, integrating with Kafka for real-time analytics.
- Optimize database performance through schema design, indexing, and query tuning in PostgreSQL and MongoDB, reducing response times by 45%.
- Lead code reviews, establish coding standards, and mentor junior engineers on full-stack development best practices and system architecture.
- Implement comprehensive monitoring and alerting using Prometheus and Grafana, reducing mean time to detection (MTTD) by 60%.
- Collaborate with cross-functional teams to define requirements, design documents, and deliver features in an Agile environment.
- Participate in on-call rotations, troubleshooting production issues and performing root cause analysis to ensure 99.99% availability.

Software Engineer   March 2021 – November 2023
Deloitte   *Hyderabad, India*

- Developed full-stack enterprise applications using **React, Java, Spring Boot, and PostgreSQL**, delivering features that scaled to 100K+ concurrent users.
- Designed and implemented RESTful APIs and microservices with **Python and C#**, ensuring high performance and security for business-critical data.
- Built real-time data pipelines with Kafka for analytics and monitoring, processing millions of events daily.
- Containerized applications with Docker and automated CI/CD pipelines using Jenkins and GitHub Actions, reducing deployment time by 70%.
- Collaborated with product managers and cross-functional teams to refine requirements and deliver features on schedule using Agile methodologies.

- Implemented comprehensive unit and integration tests using JUnit, Mockito, and Jest, maintaining 85% code coverage.
- Mentored junior developers on frontend and backend development practices, contributing to team growth and knowledge sharing.

KEY ACHIEVEMENTS

- Architected and deployed a full-stack e-commerce platform handling 200K+ daily transactions with 99.99% uptime and sub-100ms response times.

- Optimized database queries and introduced Redis caching, improving API response times by 65% and reducing infrastructure costs by 30%.

- Reduced incident response time by 60% through implementation of comprehensive monitoring, distributed tracing, and automated alerting.

- Established engineering best practices for full-stack development, adopted across multiple teams, improving code quality and development velocity.

- Mentored 5 junior engineers who advanced to mid-level roles through structured guidance and code reviews.

- Delivered 3 major greenfield projects from concept to production, each within 6-month timelines and exceeding performance expectations.

EDUCATION

Master of Science in Computer Science   University of Central Missouri
Warrensburg, MO

Bachelor of Technology in Computer Science   GITAM University
Andhra Pradesh, India

CERTIFICATIONS

AWS Certified Solutions Architect – Associate

Microsoft Certified: Azure Developer Associate

Oracle Certified Professional: Java SE 11 Developer

Certified Kubernetes Administrator (CKA)

Meta Front-End Developer Professional Certificate