Mahaboob Ali Chisti Shaik

Software Engineer — Dallas, TX (willing to relocate)

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Summary

Full Stack Developer with 3+ years of experience building scalable, secure web applications across healthcare and real estate domains. Developed microservices and integrated features using Spring Boot, Node.js, React.js, PostgreSQL and MongoDB. Improved API response times by 20% and optimized search performance with Elasticsearch. Built interactive map and analytics features used by thousands of users. AWS Certified, with hands-on experience in Docker, Kubernetes, and monitoring tools like Datadog and Snyk. Strong focus on performance, clean architecture, and delivering reliable user experiences in fast-paced Agile teams. Possesses academic experience in utilizing various AI tools and APIs for data analysis and application development

Professional Experience

IBM — Dec 2023 – Present
Java Full Stack Developer — *Armonk, New York*

- Integrated 15+ features into a healthcare claims platform using Java, Spring Boot, Node.js, React.js, and TypeScript.
- Developed and maintained 6+ backend microservices with Spring Boot and Node.js, supporting critical workflows.
- Crafted accessible, responsive UIs with React.js and Material UI, implementing component-based architecture for enhanced engagement and WCAG 2.1 compliance.
- Improved API response times by 15–20% through optimized database queries and caching with PostgreSQL, MongoDB, and Redis.
- Implemented robust form validation and state management in React.js applications, ensuring data integrity.
- Utilized JavaScript ES6 and modern UI techniques to create dynamic web apps with advanced data tables, filtering, pagination, and sorting.
- Containerized services using Docker and deployed on Kubernetes with IBM OpenShift and AWS EKS.
- Launched CI/CD pipelines using GitLab and Jenkins, reducing deployment times by 50%.
- Spearheaded Agile transformation, facilitating ceremonies and increasing team velocity by 15%.

Cognizant Technology Solutions — Aug 2021 – Dec 2022
Associate Software Engineer — *Hyderabad, India*

- Designed and maintained a property leasing platform for a global real estate leader, used by 20K+ users monthly to discover and lease commercial properties.
- Developed reusable and responsive UI components using React and Redux, ensuring consistent state management and reducing UI development time by 40%.
- Incorporated Google Maps API to display property listings using interactive pins, leading to a 25% increase in user engagement.
- Queried and retrieved property data using Elasticsearch, reducing search latency and enhancing search relevance across thousands of property records.
- Built and maintained Spring Boot REST APIs to interface with a CMS housing building records uploaded by property managers.
- Detected and resolved 20+ critical vulnerabilities using Snyk; integrated Datadog to monitor application metrics and proactively addressed performance issues.
- Embedded Google Analytics to track monthly page views, enabling data-driven decisions.
- Enabled multi-language support for 8+ languages, improving global accessibility and increasing international user engagement by 15%.
- Collaborated with DevOps to deploy production releases, ensuring zero downtime and smooth backend integration.
- Resolved 30+ front-end bugs and performance issues, cutting page load times and boosting Lighthouse scores across the platform.
- Maintained Confluence documentation for 25+ sprint deliverables and CMS workflows, improving team onboarding efficiency
- Delivered new features every 2-week sprint in a 6-member Agile team, achieving 95% on-time delivery rate across multiple releases.

Education

University of North Texas — Jan 2023 - Dec 2024
Master of Science in Computer Science (GPA: 3.8 / 4.00) — *Denton, Texas*

- **Relevant Coursework:** Data Structures and Algorithms (Java), Software Engineering, Secure Software Development, Software Development for AI

SASTRA University — Aug 2017 - Jul 2021
Bachelor of Technology in Civil Engineering — *Tamil Nadu, India*

- **Relevant Coursework:** Introduction to Programming (Java), Software as a Service (Ruby on Rails, PostgreSQL, HTML, CSS)

Academic Project Experience

Patient Management System | *Java, Spring Boot, Docker, PostgreSQL, MongoDB, Kafka* | GitHub

- Designed a microservices-based Patient Management System handling up to 1000+ daily requests, with secure communication via HTTPS and JWT authentication through an API Gateway, improving system modularity and maintainability by 40%.
- Engineered secure and scalable database interactions with PostgreSQL and MongoDB, ensuring data consistency and optimized query performance.
- Implemented Kafka-based event streaming architecture for patient data updates, enabling real-time analytics and reducing inter-service latency by 35%

Technical Skills

Frontend Technologies: ReactJS, TypeScript, JavaScript (ES6+), HTML5, CSS3, Redux, Google Maps API, Material UI
Backend Technologies: Java, Spring Boot, Spring MVC, Spring Security, Hibernate, JPA, Maven, RESTful APIs, Elasticsearch
Database Technologies: PostgreSQL, MongoDB, JDBC, Query Optimization
DevOps & Monitoring AWS, Jenkins, Docker, Kubernetes, Grafana, Prometheus, Datadog, Snyk
Testing: JUnit, Postman, Mockito, Jest, Lighthouse
Version Control & Collaboration: Git, GitHub, Bitbucket, JIRA, Confluence, GitLab
Design & Architecture: Microservices, Monolithic Architecture, MVC Pattern, API Design, Responsive UI
Development Methodologies: Agile (Scrum), Test-Driven Development (TDD), Continuous Integration & Deployment
Certifications: AWS Certified Developer – Associate (Issued May 2025)