

# Mohammed Sohaib

## Java Full Stack Developer

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### Professional Summary

Highly Motivated Full Stack Java Developer with 5+ years of experience in designing, developing, and deploying robust, scalable, and secure enterprise solutions. Expert in Java (8-17), Spring Boot, React.js, and AWS, specializing in REST/GraphQL APIs, microservices, and modern cloud infrastructure. Proven ability to streamline CI/CD (Docker, Kubernetes, Jenkins, Terraform), optimize performance, enhance security, and drive test automation. A collaborative problem-solver focused on delivering high-impact results across cross-functional teams.

### Technical Skills

**Programming Languages:** Java (8-17), Python, JavaScript, TypeScript, SQL

**Backend Technologies:** Spring Boot, Spring MVC, Spring Security, Hibernate

**Frontend Technologies:** React.js, Angular, Redux, HTML5, CSS3, Bootstrap

**Databases:** MySQL, MongoDB, PostgreSQL, Oracle, MS SQL Server

**API & Integration:** REST APIs, GraphQL, WebSockets, Swagger

**Cloud Platforms:** AWS (S3, EC2, Lambda, API Gateway, RDS, IAM), Azure

**DevOps & Tools:** Docker, Kubernetes, Jenkins, Git, GitHub, CI/CD Pipelines, Terraform, Nginx

**Monitoring:** CloudWatch, Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana)

**Testing & Quality:** JUnit, Mockito, Jasmine, Postman, Test strategy, Code coverage, Integration testing

**UI/UX & Design Principles:** Responsive Design, Accessibility (WCAG), Design Systems, Material UI

**Collaboration & Leadership:** JIRA, Confluence, Agile/Scrum, Slack, Machine Learning

### Work Experience

#### M&T Bank, USA | Java Full Stack Developer

Feb 2024 - Present

- Designed and implemented RESTful APIs using Java 17, Spring Boot, Hibernate, and GraphQL to streamline critical loan origination, credit validation, and document management workflows, significantly accelerating processing across MySQL and AWS RDS-backed services.
- Developed responsive and accessible front-end modules using React.js, Redux, and TypeScript, enhancing user experience for loan applicants with real-time document uploads and application status tracking, directly contributing to a 35% reduction in user drop-off rate.
- Engineered a secure document storage solution leveraging AWS S3 with pre-signed URLs, and configured API Gateway, Lambda, and IAM policies to enforce fine-grained access control, ensuring compliance and robust data protection for sensitive financial information, and thereby reducing storage costs by 25%.
- Architected and implemented enterprise-grade security features for critical microservices, including role-based authentication and authorization protocols using Spring Security and JWT, reducing unauthorized access risks and ensuring full compliance with banking security standards.
- Integrated real-time Kafka streams for transaction analysis and implemented robust fraud detection logic in Spring Boot, proactively identifying suspicious activities and enhancing overall system security, enhancing data observability and incident response with Prometheus, Grafana, and ELK stack integrations.
- Automated end-to-end CI/CD pipelines using Jenkins, Docker, and Kubernetes, managing infrastructure provisioning with Terraform—achieving 40% faster deployment cycles and significantly improved scalability across EC2 instances.
- Focused on integration testing and unit testing for every functionality developed, ensuring robust code quality, early bug detection, and seamless interaction between components using JUnit, Mockito, and Postman
- Optimized database query performance for high-throughput financial transactions, enhancing data retrieval speeds by 25% for critical reporting and analytics via MySQL and AWS RDS.

#### Experion Technologies, India | Software Engineer

Jun 2018 - Dec 2021

- Designed and developed microservices for hospital appointment, record, and loyalty engines using Java 11, Spring Boot, GraphQL, and REST API, reducing average API response time by 30% and enabling seamless, scalable integration across Azure-hosted services.
- Engineered robust persistence layers using Hibernate and MongoDB, facilitating structured storage of Electronic Medical Records (EMR) and flexible reward point data, ensuring secure and scalable access via Azure RDS and API Gateway.
- Developed automated notification systems with Spring Scheduler, Kafka, and Twilio API, improving user engagement and appointment adherence through real-time, WCAG-compliant alerts delivered via responsive Angular frontends.
- Implemented secure document handling and granular access control using Spring Security and Azure IAM, enforcing robust role-based authentication across patients, clinicians, and admins, resulting in 18% reduction of unauthorized access attempts and ensuring strict HIPAA compliance.
- Drove unit and integration testing strategies using Postman, Swagger, and JUnit, while driving test coverage improvements by 45% and contributing to system-wide quality through peer reviews and technical discussions.
- Optimized session management and caching with Redis and rate-limiting filters, enhancing system stability and user experience by efficiently handling high-throughput loyalty redemptions.
- Improved operational visibility and reduced diagnostic time through the implementation of observability dashboards using Prometheus, Grafana, and the ELK Stack.
- Streamlined CI/CD with Jenkins and Docker, deployed infrastructure via Terraform on Azure EC2 instances, and collaborated cross-functionally with frontend and DevOps teams to deliver production-ready deployments with fewer failures

## **Education**

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### **Master of Science in Computer Science**

*University of North Texas, USA*

### **Bachelor of Technology in Computer Science**

*Jawaharlal Nehru Technological University, India*

## **Certifications**

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Oracle Certified Java SE 11 Developer

AWS certified Developer Associate

## **Projects**

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### **Job Portal Application**

- Developed a full-stack Job Portal using Java Spring Boot, HTML, CSS, JavaScript, and RESTful APIs to support seamless job listings and user registration.
- Implemented Spring Security for role-based access control, user authentication, and secure session handling.
- Utilized Hibernate and JPA for database operations, ensuring efficient data persistence and entity relationships.
- Delivered a responsive UI and scalable backend architecture, enhancing performance and user experience across devices.

### **AI-Powered Bank Management System**

- Developed a Java Spring Boot microservices backend with a React.js frontend to manage accounts, transactions, and loans, ensuring scalability and modular architecture.
- Implemented secure authentication and role-based access control using Spring Security with JWT, safeguarding user data and controlling access.
- Built RESTful APIs for account operations, fund transfers, and loan processing, enabling seamless client-server communication with real-time updates.
- Integrated Kafka for event-driven notifications, Resilience4J for fault tolerance, and AI-based fraud detection models using Python and Scikit-learn to identify suspicious transactions.
- Managed database persistence with Hibernate/JPA and implemented centralized logging and monitoring using Grafana and ELK Stack, optimizing performance and simplifying debugging.