AZIZ RAHMAN

FULL STACK SOFTWARE ENGINEER

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PROFESSIONAL EXPERIENCE

JPMorgan Chase – New York, NY   Jan 2021 - Current
Software Engineer

- Led the front-end rewrite from a proprietary framework to React, evaluating and integrating 20+ existing components from a centralized library or developing new ones as needed, leading to a 36% decrease in page load times.
- Partnered with business and engineering leadership to design and implement 10+ reusable, multi-layered components, streamlining Account Opening workflows with thousands of users across the company. Mentored junior developers throughout the transition, establishing best practices in State Management with React Context API, which were later adopted by multiple teams modernizing their applications to React.
- Led migration of the CI/CD pipeline from a proprietary system to AWS Spinnaker, refactoring Jenkins and Jules configurations across four repositories for AWS compatibility. Documented the process and collaborated with the Executive Director, providing feedback to refine the initiative. The transition streamlined deployments and reduced both deployment times and pipeline failures by up to 40%.
- Contributed to the backend migration from a monolithic Spring Boot architecture to microservices, implementing Kafka for event-driven service communication. This transition improved request throughput by 35%, reduced response time by 20%, and enabled independent service scaling.
- Redesigned API schemas as part of a modernization effort in our Java Spring environment, restructuring payloads and updating our Kafka event system for compatibility. Validated schema performance using Blazemeter, identifying inefficiencies and optimizing autoscaling policies and instance memory settings.
- Developed a comprehensive testing strategy, applied TDD principles achieving 100% Jest unit test coverage and full automation test coverage using Selenium and Cypress. Automated test execution in QA environment and integrated monitoring and email alerts with Kibana, reducing defect detection time by 5+ hours per week.
- Facilitated React dependency upgrades by partnering with the central UI team to assess and integrate new versions of reusable components used firmwide. Identified and mitigated breaking changes, defects, and security vulnerabilities.

Conduent – Secaucus, NJ   Jul 2019 – Jan 2021
Software Engineer

- Developed RESTful web services using Spring to implement investment-related business logic within a microservices architecture.
- Led troubleshooting efforts with a team of 3+ developers, identifying severity level and resolving production incidents across web applications, batch jobs, and databases.
- Designed 3 automated stored procedures for database inserts, updates, and deletes based on trigger events.

Qualitest Group – Bridgewater, NJ   Oct 2018 – Jul 2019
Software Engineer

- Developed automation testing framework using Selenium and Cucumber, ensuring efficient testing of new and existing application functionality.
- Automated unit testing of RESTful web services using Mockito, improving test coverage and code quality.

SKILLS

CERTIFICATIONS: AWS Cloud Practitioner
LANGUAGES: Java, TypeScript/JavaScript, Python, C#, C, SQL, NoSQL, Gherkin, Bash, HTML/CSS
FRAMEWORKS & TECHNOLOGIES: Spring Boot, React, Angular, Webservices (REST, SOAP), Spinnaker, Cypress, Jest, Grafana, Blazemeter, Kafka, MongoDB, Jenkins, Jules, Selenium, CI/CD, AWS, EKS, Kubernetes, Cassandra, Docker

EDUCATION

RUTGERS UNIVERSITY, New Brunswick, NJ   May 2018
Bachelor of Science in Computer Science