Mohammed Saqlain Patel

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Summary

Full Stack Developer with 3+ years of experience delivering scalable web applications using Java, React, and Spring Boot. Designed and deployed RESTful APIs and microservices to streamline backend operations, reducing latency by 30%. Automated deployment pipelines using CI/CD tools, cutting release cycles by 40%. Leveraged AWS and GCP to build cloud-native solutions, ensuring high availability and scalability. Containerized applications with Docker and orchestrated with Kubernetes, improving deployment efficiency.

Technical Skills

- **Frontend Development:** React.js, Redux, JavaScript, AJAX, WebSocket, HTML5, CSS3, Bootstrap, Angular
- **Backend Development:** Node.js, Express, Python, Flask, Java (Spring Boot, Spring MVC)
- **Database Management:** PostgreSQL, AWS RDS, MongoDB, MySQL, Sequelize ORM, GraphQL, Cassandra
- **Cloud & Deployment:** AWS (S3, CloudFront, Lambda, Elastic Beanstalk, EC2), GCP (Big Query, APIGEE, Cloud Functions), Docker, Kubernetes, Terraform, Jenkins
- **CI/CD & DevOps:** GitHub Actions, AWS Code Pipeline, Ansible
- **Testing & Quality Assurance:** Jest, React Testing Library, JUnit, Mockito, Selenium, Postman, PyTest
- **Others:** REST APIs, SOAP APIs, Hibernate, JPA, Microservices Architecture, XML, JSON, SonarQube, Agile (Jira, Git, Bitbucket)

Professional Experience

Senior Full Stack Developer, *FLOW AI*   01/2025 – Present | Remote, USA

- Developed a highly responsive, state-managed front-end application using React and Redux, implementing optimized rendering strategies, reusable components, and efficient state handling to improve user engagement by 25%.
- Spearheaded the adoption of React Server Components and Suspense for data fetching, improving initial page load times by 65% and reducing Time to Interactive (TTI) by 45% across the company's flagship product suite.
- Integrated Python-based ML models (Random Forest, Linear Regression) and an automated training pipeline, increasing model accuracy by 15% and updating investment strategies 20% faster based on evolving market trends.
- Optimized React rendering performance by implementing custom hooks and the useCallback API, reducing unnecessary re-renders by 70% and improving overall application responsiveness.
- Established a robust testing framework (Jest, Enzyme, Mocha, Chai, Postman, Selenium), raising test coverage by 30% and reducing critical production defects by 20%, enhancing system reliability.
- Launched unit and integration tests with JUnit and Mockito for backend services, ensuring robust functionality. Used Jest and React Testing Library for frontend tests. Automated the deployment pipeline with Jenkins for continuous integration and delivery (CI/CD).
- Deployed via Docker and Kubernetes on GKE, achieving 99.9% application uptime, 20% faster release cycles, and streamlined continuous integration/delivery pipelines for improved operational efficiency.

Software Engineer, *Tata Consultancy Services Ltd*   03/2021 - 01/2023 | Hyderabad, India

- Performed in-depth root cause analysis of complex API issues through detailed Splunk log analysis, identifying performance bottlenecks and inefficiencies, leading to timely resolution and preventing potential disruptions in service delivery within the organization.
- Migrated a 40K+ LOC legacy JavaScript codebase to TypeScript with strict compiler settings, introducing advanced type guards and generics to enforce data integrity across services, cutting runtime type errors in production by 60%.
- Proposed and deployed scalable microservices architecture for a German bank, leveraging RESTful APIs, Spring Boot, and Spring Security to enable critical business applications and ensure secure, seamless system integration.
- Spearheaded the creation of batch processors tailored for high-volume account opening workflows. Automated processes generated over 1,000 Excel reports monthly and securely transferred vital customer information via SFTP servers.
- Authored detailed workflow documentation and performed rigorous debugging and testing (JUnit, Mockito, INT, UAT), boosting code coverage by 20% and reducing team queries by 25%. Optimized code with SonarQube, lowering complexity by 35%.
- Administered and optimized system performance by configuring custom Nginx servers, AWS Load Balancers, and Edge Micro Servers. Utilized monitoring tools like AppDynamics to reduce downtime by 99%, ensuring consistent and highly available cloud services for business-critical applications.
- Managed multiple shifting priorities with cross-functional teams, driving initiatives aimed at improving system performance and proactively implementing preventative measures. Achieved a 10% reduction in error rates over three months, enhancing operational efficiency.

Backend Developer, *Rohini Tech Media Pvt Ltd*   05/2020 - 03/2021 | Hyderabad, India

- Conducted rigorous testing with JUnit for Java components and PyTest for Python scripts, increasing overall test coverage by 35% and reducing critical defects in production by 20%, ensuring higher system reliability.
- Strategized and Collaborated backend solutions by integrating MongoDB and Redis caching, reducing data retrieval times by 35% and enhancing application performance. This approach optimized system efficiency and supported seamless scalability.
- Implemented the backend with Python/Django and optimized PostgreSQL queries, accelerating data retrieval and search functionalities by 30% while maintaining a near-zero error rate in data handling under peak load.
- Deployed the CMS on AWS, leveraging EC2 for hosting and S3 for static assets, and implemented Jenkins-based CI/CD pipelines, reducing deployment time by 40% and maintaining 99.9% application uptime in production.

Education

Master of Science, *California State University*   2023 – 2024 | Long Beach, CA, USA
Computer Science