PRAKYATH KOLLA

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CAREER SUMMARY

- Seasoned Full Stack Java Developer with 4 years of expertise in building scalable web applications. Proficient in modern front-end technologies and microservices architecture, with a proven ability to optimize system performance and user experience (UX).
- Spearheaded AWS deployment strategies that enhanced system reliability and scalability, resulting in a 40% reduction in downtime and an increase in application performance that influenced customer satisfaction scores positively.

EDUCATION

Master of Science (MS), *Information Systems*, University of Maryland, Baltimore County (UMBC) Maryland, USA, 3.77/4 **Dec 2022**

SKILLS

- **Functional**: Agile Software Development, Continuous Delivery, Continuous Integration, Database Design, Database Management, Perl Shell Scripting, **Methodologies** (Waterfall, Agile Scrum, Agile Kanban)

- **Core Expertise**: **Frameworks and Libraries** (HTML5, CSS, SASS, Angular, Typescript, Bootstrap, jQuery, AJAX, AngularJS, Spring Cloud), **Cloud & Deployment** (EC2, RDS, GCP, Big Query, Docker, Kubernetes, Openshift4)

- **Tools/Version Control**: Splunk, Linux/Unix Shell, JIRA, Git, GitHub, GitLab, SonarQube, Checkmark, ServiceNow, **Programming Languages** (Core Java 8/11, Java EE, C#, Python, Groovy), **IDEs** (IntelliJ, Eclipse IDE, Visual Studio Code), **Databases** (NoSQL, SQL Server, PostgreSQL, MySQL), **CI/CD** (Jenkins, Cloud Bees), **Testing** (Jest), **Web Services** (Servlets, XML, JPA, JSON, Maven, Gradle)

- Machine Learning (ML), Applied Machine Learning, Artificial Intelligence (AI)

WORK EXPERIENCE

1. Senior Java Full Stack Developer, TIAA, NC, USA   Jun 2022 – Present

- Represented Dev team in Sprint Planning sessions, architecture design, and daily stand-ups, and demonstrated initiative with user story point estimation for faster delivery and code reviews with effective teamwork by identifying risks.

- Supervised and facilitated five critical applications, including ETL jobs, Analyst Dashboards, and live business user dashboards, ensuring 99.9% uptime and enhancing efficiency by 30% with strong troubleshooting skills.

- Transitioned data workflows to AWS Cloud, modernizing infrastructure using Container Orchestration by cutting operational costs, resulting in a 30% efficiency boost and a 40% reduction in hardware expenses.

Front-end Development and API Integration

- Processed real-time data synchronization through two-way data binding in Vue.JS, optimized data handling efficiency by 20% and now handles over 10,000 data transactions daily, demonstrating robust performance.

- Crafted responsive UIs by migrating to Angular 11 and Bootstrap from Vue.JS, enhancing data fetching and frontend performance by 45%, and integrated API services using HttpClientModule to enhance client-server interaction by 25%.

Backend Development and Infrastructure

- Established microservices architecture with Spring Boot and RESTful services, achieving a 40% improvement in system scalability and reduced module dependency, and increasing team productivity by 35%.

- Streamlined and deployed a suite of REST and GraphQL APIs with Spring MVC, enabling seamless request handling and data querying options, implemented thorough API testing with Postman that identified and resolved 30+ critical issues prior to launch.

- Built a J2EE application leveraging Spring MVC, embedding model design patterns such as MVC, DAO, and Business Delegate, thereby increasing system maintainability and scalability by 30% through regulated adherence to OOP principles.

Performance Optimization and Security

- Automated Docker image builds and deployments using Jenkins, accelerating the CICD deployment process, reducing manual intervention by 3 hours, and facilitating faster release cycles by 60%.

- Created a detailed unit testing strategy employing JUnit and Mockito for Java, coupled with Mocha and Karma for JavaScript, resulted in 90% code coverage and a notable decrease in production bugs by 50%.

- Capitalized Single Sign On role-based authentication using Spring Security, seamlessly integrating with Ping Access and Ping Federate, enhanced user login security, resulting in a 25% reduction in unauthorized access across the application.

Data Management and Migration

- Migrated over 10TB of historical data from a decommissioned Hadoop system to a Snowflake data warehouse, improved storage efficiency and scalability by 40% through strategic use of AWS S3 for data transfer.

- Engineered and configured 80 ETL jobs using Quartz Scheduler to automate data migration processes, achieving a 30% reduction in migration time while ensuring data integrity and reliability by optimizing application performance throughout the workflow.

- Generated and executed complex PL/SQL procedures and SQL scripts in Oracle RDBMS, managing a database of 500,000+ records, streamlining data retrieval processes and queries optimization performance by 30%.

2. Full Stack Java Developer, Next Set Software, Hyderabad, IN   Jul 2019 – Jul 2021

- Coordinated with a team of 8 developers in adopting RUP's iterative approach, achieving a substantial increase in product development speed by 25% and streamlining the integration testing process.

Application Development and Security

- Orchestrated the development of a 50-page enterprise application design through JSP and Spring MVC, implementation garnered positive feedback from 95% of beta testers, appreciating functionality and user interface design.

- Crafted a full-stack application using Express.JS and NodeJS technologies, achieving a remarkable enhancement in site navigation that increased customer interactions by 40% within the first month.

- Constructed a state management solution using Redux in conjunction with React, now employed in 2 distinct applications, enhancing overall system design performance tuning by 45% and providing a solid foundation for future feature expansions.

- Incorporated a robust security framework with Spring's lightweight container for inversion of control (IOC) and configuring JwtTokenProvider and JwtFilter, leading to a significant decrease in unauthorized access attempts by 30%.

Data Handling and Logging and Deployment

- Formulated SOAP APIs, documented with Swagger Open API for payment authorization and enhanced security of front-end views, resulting in a 35% increase in API adoption through seamless integration and standardized communication.

- Developed and automated intricate test suites using Jasmine for unit testing, Cucumber for BDD, and Selenium for end-to-end testing, enabled the team to conduct regression testing 50% faster than previously experienced.

- Architected Mongoose, an ODM library, to model application data in MongoDB, including defining schemas and enforcing schema validation, enhancing data integrity and consistency by 30%.

- Deployed backend servers (Node.js and Express.js) on Azure and React.JS applications on Apache Tomcat virtual machines, leveraging cloud services to improve application scalability and reliability, resulting in a 20% reduction in deployment issues.