

PRAKYATHKOLLA

A: NC, USA | P: (443)-851-0758 | E: prakyath.developer@outlook.com | L: <http://www.linkedin.com/in/prakyath-kolla23> |
G: <https://github.com/prakyathkolla>

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, 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**
Bachelor of Technology (B. Tech), Mechanical Engineering, GRIET, Hyderabad, India, 8.42/10 **Sep 2020**

SKILLS

- Functional:** Java Software Development, Continuous Delivery, Continuous Integration, Database Design, Database Management, **Methodologies** (Waterfall, Agile Scrum, Agile Kanban)
- Frameworks and Libraries** (AngularJS), **Cloud & Deployment** (Big Query, Openshift4)
- Tools/Version Control:** Splunk, Linux, Unix, JIRA, Git, GitLab, SonarQube, Checkmark, ServiceNow, **Programming Languages** (Core Java 8/11, C#, Python), **IDEs** (IntelliJ, Eclipse IDE, Visual Studio Code), **Databases** (NoSQL, SQL Server, PostgreSQL), **CI/CD** (Cloud Bees), **Testing** (Jest), **Web Services** (Servlets, JPA, 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, daily stand-ups and demonstrated initiative with user story point estimation for faster delivery and clean 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 Amazon VPC Cloud, modernizing infrastructure using Container Orchestration using Docker & Kubernetes by cutting operational costs, resulting in a 40% decrease 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, Typescript and Bootstrap from Vue.JS, enhancing data fetching and frontend performance by 45%, and integrated API services using HttpClientModule to enhance client-server side 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.
- Streamlined and deployed a suite of REST and GraphQL APIs with Spring MVC, enabling seamless request handling, implementing 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 Amazon 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%.
- Optimized existing MySQL, MariaDB databases by implementing indexing strategies, improving query performance by 50%, and reducing server load, allowing for 20% more concurrent user sessions without additional infrastructure costs.

2. Full Stack Java Developer, Next Set Software, Hyderabad, IN

Jul 2019 – Jul 2021

- Coordinated with a distributed 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 HTML, CSS, 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.
- Implemented data exchange using AJAX and jQuery to asynchronously fetch and update content on the web page. Utilized JSON for efficient data interchange and parsed XML data reducing page load times by 30%.
- 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

- 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.
 - 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.
 - 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 Cloud 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.
-