

TEJA MAHESHWARA

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Professional Summary:

- Experienced Full-Stack Developer with 3+ years of expertise in designing, developing, testing, and deploying scalable, high-performance enterprise-level systems, specializing in distributed applications.
- Collaborated with cross-functional teams to design and implement components within complex enterprise systems, responding to Epics, Stories, and Tasks with validated architecture, detailed work plans, and precise sizing.
- Skilled in developing REST APIs and algorithms, with hands-on experience in Application Security Workbench and data normalization techniques.
- Proficient in database design using serverless MySQL (Aurora SQL on Amazon RDS) and creating efficient data mappings to optimize storage and retrieval.
- Expertise in container orchestration using Kubernetes and Docker, configuring systems to meet performance, scalability, and reliability requirements.
- Hands-on experience in Python, JavaScript, and microservices frameworks, building secure, maintainable, and efficient solutions.
- Led full application development lifecycle including design, development, testing, staging, and deployment of complex distributed systems.
- Extensive cloud knowledge with AWS for scalable deployment and monitoring.
- Implemented CI/CD pipelines using Jenkins and GitLab, enhancing development efficiency and delivery in Agile environments.
- Proficient in Agile and Scrum methodologies, ensuring iterative delivery and fostering collaboration within teams.
- Ensured software quality through robust unit testing frameworks (JUnit, Mockito), and API validation using POSTMAN.
- Strong educational foundation with a Master's degree in Computer Science and 2+ years of industry experience in Python, Kubernetes, AWS, RESTful web services, Docker, and CI/CD pipelines.

EDUCATION

New York Institute of Technology
Master's of Computers and Information Sciences - Computer Science
Relevant Coursework: Foundation of Computer Science

New York, NY
May 2024

Aurora's Technological and Research Institute
Bachelor of Technology - Computer Science and Engineering

Hyderabad, Telangana, India
December 2020

EXPERIENCE

Advantage Care Group – Mt Pocono, PA | Full Stack Developer

Sep 2024 – Present

- Developed Java and Spring Boot data pipelines, boosting data access speed by 20%.
- Managed AWS and Azure cloud infrastructure for scalability and high availability.
- Enhanced patient experience through data-driven solutions using RESTful APIs and OpenAPI, with thorough documentation.
- Improved frontend interactivity with Angular and VueJS components.
- Optimized application performance with Vert.x and Spring Reactive for high-concurrency support.
- Streamlined deployments and automated processes using SQL, JDBC, UNIX, and Shell Scripts.
- Deployed code via CI/CD pipelines (Jenkins, Gradle) with version control in Git and Bitbucket.
- Ensured software quality through JUnit, Mockito, Splunk, and SonarQube monitoring.
- Used Jira in Agile teams to deliver iterative improvements and client-focused solutions.

Environment: Java, Spring Boot, Spring Security (JWT), RESTful APIs, OpenAPI, Angular, Vue.js, Vert.x, Spring Reactive, AWS, Azure, SQL, JDBC, UNIX, Shell Scripts, Docker, OpenShift, Liberty Server, Jenkins, Gradle, Git, Bitbucket, JUnit, Mockito, SonarQube, Splunk, Jira, CI/CD, MicroProfile, Agile

SKIMBOX, Lake Harmony, Pennsylvania | Full Stack Developer

Oct 2022-Apr 2024

- Collaborated closely with Business Analysts to gather and document requirements, translating them into software solutions within the banking deposits space.
- Architected, developed, and deployed complex applications for the Private Banking Group, enhancing functionality and user interaction by 25% and reducing bounce rate by 15%.
- Enhanced application performance, achieving a 30% reduction in page load times through SEO optimizations, code-splitting, and lazy loading techniques.
- Improved user experience by 20% through optimized content rendering and streamlined interactions, resulting in faster navigation and a smoother user experience.

- Conducted rigorous testing with JUnit and Mockito and developed robust testing strategies to ensure quality in both production and non-production environments.
- Performed continuous performance tuning and application enhancements to support scalability and mitigate risk, using tools like Splunk and SonarQube for monitoring.
- Designed and implemented CI/CD processes using Jenkins, Gradle, and Bitbucket for efficient deployment in both cloud (Azure) and UNIX environments.
- Created risk management tools to improve client safety and reduce operational risks, documenting processes with JSON/YAML and OpenAPI standards.
- Utilized Java, Spring Boot, JDBC, and SQL for backend development, and Angular for frontend components, in alignment with Agile practices alongside Scrum Masters and an Agile team, leveraged tools like Git, IntelliJ, Redhat Tomcat, Shell Script, and Jira to support DevOps and Agile workflows.

Environment: Java, Spring Boot, Angular, React, React Native, Redux, AWS, Lambda Functions, Kinesis, DynamoDB, Terraform, Red Hat OpenShift, Jenkins, Postman, SQL, GitHub, JUnit, Mockito, SonarQube, Git, Bitbucket, JSON/YAML, OpenAPI, Splunk, Jira, Kubernetes.

Industry Experts, Hyderabad | Associate web developer 2022

Feb 2021 – Apr

- Collaborated with Business Analysts to document requirements and translated them into scalable web applications for the banking deposits domain.
- Designed and maintained data management pipelines using Java and Spring Boot, supporting complex applications and ensuring data integrity across platforms.
- Managed Kubernetes and Docker-based deployments, enhancing system reliability and reducing release cycles by 50%.
- Developed a real-time employee performance management application using React.js and Node.js, integrating gamification elements that boosted engagement and accuracy in performance evaluations.
- Built data integrations using REST APIs and JSON, facilitating seamless communication between systems and optimizing data flow.
- Deployed applications in both production and non-production environments, establishing monitoring strategies with Splunk and SonarQube to maintain application stability.
- Refined automated CI/CD processes with Jenkins and Gradle, while utilizing Git and Bitbucket for version control to streamline deployments.
- Contributed to performance tuning, reducing latency and improving scalability, and developed unit and integration tests with JUnit and Mockito.
- Collaborated with Scrum Masters and Agile teams, supporting Agile methodologies to deliver efficient, client-centered software solutions.
- Utilized SQL, Shell Script, and UNIX environments to optimize backend processes, along with Jira for project tracking and cloud deployment support on Azure.

Environment: Java, Spring Boot, REST APIs, Spring MVC, Spring IOC, Spring Security, Mockito, JUnit, Angular 14, JavaScript, TypeScript, API Development, Agile, Test-Driven Development (TDD), AWS, Lambda Functions, Terraform, Jenkins, Postman, DynamoDB, SQL, Git, Bitbucket, Tableau, Kubernetes, Docker, SonarQube, Splunk, CI/CD, UNIX, Shell Script.

Web Development Bootcamp:

2022

- Delivered web applications using .NET Core, Java, and RESTful APIs, improving page load times by 25%.
- Implemented cloud storage solutions, resulting in a 10% increase in user engagement and a 20% growth in traffic.
- Collaborated closely with team members using Agile Scrum methodologies, increasing project delivery speed by 20%.
- Continuously improved application performance by applying data-driven insights and focusing on scalability.

Data Science Bootcamp:

2021

- Increased actionable insights by 15% through expertise in statistical methods and machine learning algorithms.
- Achieved data processing efficiency by 25% by building and optimising data pipelines.
- Created data visualisations that resulted in a 30% increase in data-driven decision-making.

Python Bootcamp:

2020

- Led Agile/Scrum processes to improve project cycle times by 20%, while achieving a 98% client approval rating.
- Designed and deployed RESTful services for cloud-based applications, integrating them with scalable microservices.
- Applied strong design and development skills to enhance performance by 40%, increasing user satisfaction by 25%.
- Promoted a culture of learning and collaboration, mentoring teammates to foster growth and success.

PROJECTS

Banking Risk Management Tool:

- Developed a risk management tool using Java and Spring Boot to monitor and manage client risks effectively.
- Incorporated automated monitoring and alerting with Splunk and SonarQube, ensuring continuous oversight of application health and risk indicators.
- Designed testing strategies with JUnit and Mockito for robust application performance in production and non-production environments.
- Designed automated CI/CD pipelines with Jenkins and Bitbucket for secure and efficient deployments in a cloud (Azure) environment.
- Integrated Gradle, JSON/YAML configuration, and Shell Scripting for streamlined deployments, enabling rapid iterations aligned with Agile methodologies.

Balance Scale Classification with Decision Trees :

- Built an end-to-end pipeline using Python and SQL to preprocess data and optimize storage for faster access by 20%.
- Developed machine learning models with an optimized training process to improve classification accuracy.

Intra-College Communication Platform:

- Created a collaborative platform featuring real-time chat and forums, using REST APIs for data sharing, ensuring data integrity and security across multiple endpoints.
- Documented processes and applied robust testing strategies to maintain system quality and scalability under high user loads.

Build a Face Recognition Application using Python:

- Developed an optimized storage and retrieval system using SQL, enhancing response time by 25% for real-time face recognition.
- Applied RESTful APIs and Docker for seamless integration, and implemented backup strategies to secure critical image data, ensuring data reliability and recovery.

Vector Operations using Merge Sort and Binary Search:

- Increased data processing efficiency by 30% through the implementation of advanced sorting and search algorithms.

SKILLS

Technical Skills:

- Programming Languages: Java (Spring Boot, J2EE, Spring Reactive), Python, SQL, JavaScript (VueJS, ES6), TypeScript.
- Frameworks: Spring Boot, Vert.x, Angular, REST APIs, OpenAPI, Node.js.
- Databases: MySQL, NoSQL, Redis, JDBC.
- Testing & Monitoring: JUnit, Mockito, Postman, SonarQube, Splunk.
- Cloud Platforms: Azure, AWS (S3, EC2, Lambda).
- CI/CD: Jenkins, GitLab CI, Bitbucket, Gradle.
- Containerization & DevOps: Docker, Kubernetes, Terraform, Ansible.
- Version Control: Git, Bitbucket, GitHub.
- Scripting & Automation: Shell Scripting, JSON/YAML configuration.
- Development Tools: IntelliJ, Jira, Redhat Tomcat.

CERTIFICATIONS:

- Sundog Education: Big Data Analytics Certification
- ClickSlice: Advanced SEO Strategies
- 365 Careers: Tableau
- LinkedIn Learning: SQL Essential Training, NoSQL Essential Training, Database Design, Learning REST APIs, DevOps Foundations

Cultural attributes:

- Collaboration & Communication: Strong communicator skilled at conveying complex technical concepts to cross-functional teams.
- Growth Mindset & Continuous Learning: Embraces learning to improve both technical and leadership skills, fostering a supportive and inclusive work environment.
- Agile Teamwork: Experienced in working within Agile/Scrum methodologies, ensuring alignment and collaboration for project success.