Naveen Kumar Maturi
Senior Software Developer
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PROFESSIONAL SUMMARY

- Senior Software Developer with 5 years of experience designing, developing, and maintaining high-performance web applications using Java 11+, Spring Boot, and front-end frameworks like React.js.
- Proven expertise in building scalable microservices and RESTful APIs, integrating third-party services to enhance scalability and reduce response times.
- Comprehensive knowledge of data structures, algorithms, and design patterns, ensuring optimized and high-performance software solutions.
- Advanced understanding of system design, object-oriented programming, and SOLID principles, delivering scalable and maintainable architectures.
- Proficient in database optimization and management, leveraging SQL (PostgreSQL, MySQL) and NoSQL (MongoDB, Couchbase) databases, and utilizing AWS cloud services (EC2, S3) to improve uptime and reduce server costs.
- Skilled in front-end development with React.js and Redux, implementing state management to create dynamic and seamless user interfaces.
- Extensive experience in Test Driven Development (TDD) using JUnit and Mockito, achieving 90% code coverage and reducing production bugs.
- Hands-on expertise in CI/CD pipelines using Jenkins, Docker, automating deployments and improving release cycles.
- Proficient in working within Agile environments, collaborating with cross-functional teams, and adhering to best practices like Scrum and sprint planning to ensure timely delivery of high-quality software.
- Strong leadership and collaboration skills, mentoring team members, conducting code reviews, and effectively communicating technical solutions to stakeholders.

TECHNICAL SKILLS

Programming Languages	Java, Python, JavaScript, C
Web Technologies	Java Servlets, Java Server Pages (JSP), JavaBeans, XML, JSON, AJAX
Frameworks & Libraries	Spring Boot, Node.js, Hibernate, Apache Kafka, JUnit, Microservices, React.js, RESTful APIs, SOAP, HTML5, CSS3
Database Systems	MySQL, NoSQL, Oracle SQL, PostgreSQL, MongoDB
Cloud & DevOps Tools	AWS, Kubernetes, Docker, Jenkins, OpenShift, Helm, CI/CD pipelines, Swagger, Maven, IntelliJ, Eclipse, Visual Studio
Modern Cloud Technologies	AWS Services (EC2, S3, AWS Lambda), GraphQL, API Gateway, Event-Driven Architecture, Observability (Prometheus, Datadog)
Software Engineering Expertise	Object-Oriented Design, System Design, SOLID Principles, Design Patterns, Data Structures, Algorithms
Automation & Testing	Selenium, Postman, GitHub Actions
Monitoring & Performance	Grafana, Prometheus, Nexus, Linux, Conductor
Version Control & Collaboration	Git, Bitbucket, Jira, Confluence
Integration Technologies	Apache Camel for Integration, Message Queuing with RabbitMQ, Kafka Streams
Soft Skills & Methodologies	Agile (Scrum, Kanban), Problem Solving, Critical Thinking, Team Collaboration

PROFESSIONAL WORK EXPERIENCE

Company: Wells Fargo   **Feb 2024 – Present**
Role: Senior Software Developer
Responsibilities:

- Developed a responsive front-end using React and Redux, delivering dynamic and intuitive user interfaces that streamlined the payment-letter request workflow.
- Implemented just-in-time microservices in Java with Spring Boot and Spring Cloud, enabling immediate letter generation upon payment events and eliminating reliance on batch processes.
- Containerized applications with Docker and deployed them on TKGI, ensuring seamless scalability and high availability for the 2CNS system.
- Utilized Apache Kafka for real-time data streaming and asynchronous communication, modernizing the PMTCNF2/PMTCNF1 process and reducing latency in letter delivery.
- Integrated JPA with Oracle Database and MongoDB, improving data persistence and retrieval for faster letter request processing.
- Orchestrated continuous integration (CI) and delivery (CD) pipelines with Jenkins and Gradle, automating builds, tests, and deployments to accelerate release cycles.

- Employed JUnit, JMock, and Karate for comprehensive unit and integration testing, maintaining high code quality and reliability across the application stack.
- Employed Integrated Development Environments (IDEs) like RAD/Eclipse for efficient coding, debugging, and streamlining development workflows.
- Collaborated with cross-functional teams to analyze requirements, design system enhancements, and transition from legacy batch-scheduled processes to efficient, event-driven architecture.

Tech Stack: Java, Microservices, Spring Boot, React JS, Mango DB, AWS, Kubernetes, Docker, Jenkins, JPA, TKGI, Apache Kafka, Gradle, Oracle Database, JMock, Karate, Helm, Redis, Prometheus, Grafana, ReactJS, OAuth 2.0, Junit

Company: Amdocs   **Jun 2019 – July 2023**
Client: True   **Dec 2021 - July 2023**
Role: Software Developer
Responsibilities:
- Led a critical 6-month on-site project in Bangkok, resolving over 50 UAT and production defects while collaborating with cross-functional teams to ensure smooth deployment readiness.
- Spearheaded the migration of legacy catalog systems to modern platforms, integrating REST APIs for real-time data synchronization, reducing processing times, and improving real-time capabilities.
- Developed and deployed scalable microservices using Spring Boot, leveraging asynchronous processing with Apache Kafka and provisioning AWS resources (EC2, S3, IAM) for secure hosting and fine-grained access control.
- Automated deployment pipelines with Jenkins and Docker, streamlining release processes and reducing deployment times, while establishing best practices for containerization to ensure environment consistency.
- Conducted comprehensive testing using Postman and Conductor, utilizing Kafka for messaging and Grafana for real-time monitoring of application health and performance.
- Designed and implemented Single Sign-On (SSO) for production catalogs, enabling seamless user authentication and secure access to multiple systems via JSON tokens.
- Resolved database performance bottlenecks by optimizing NoSQL queries and automated catalog data updates in Couchbase using a custom Excel-based tool, reducing manual intervention.
- Designed and developed responsive front-end interfaces using ReactJS, HTML5, and CSS3, including automation for updating catalog data in Couchbase by processing JSON data from Excel files, reducing manual intervention by 80% and improving user workflows.

Tech Stack: Java, Spring Boot, REST APIs, NoSQL, Docker, Kubernetes, Jenkins, Grafana, Apache Kafka, JUnit

Client: XL-Com   **Apr 2021 - Dec 2021**
Role: Software Developer
Responsibilities:
- Developed a utility using Spring Boot and RESTful APIs to convert JSON to XML, achieving a 70% faster processing rate and improving Oracle database storage efficiency.
- Simplified workflows by deploying the utility on Unix systems, reducing manual effort for seamless execution.
- Migrated legacy MEC systems from XML to JSON format and stored structured data in Couchbase, improving data retrieval speed
- Automated data validation processes with a custom framework triggered through Apache Kafka, reducing validation errors and accelerating debugging.
- Optimized database interactions between Oracle and PostgreSQL, improving query execution times, and upgraded handler databases to enhance scalability.
- Designed secure RESTful APIs for system integration and modularity, streamlining communication across applications.
- Introduced automated CI/CD pipelines using Jenkins, significantly improving deployment speed and reliability. Additionally, developed and integrated robust business validation mechanisms, ensuring timely and accurate notifications while enhancing communication efficiency.
- Mentored team members by conducting code reviews, sharing best practices, and providing guidance on Spring Boot and REST API development.

Tech Stack: Java, Spring Boot, REST APIs, Oracle SQL, NoSQL, Docker, Jenkins, Kafka, Swagger, JUnit

Client: Globe   **Jun 2019 - Apr 2021**
Role: System Analyst
Responsibilities:
- Collaborated with cross-functional teams during Agile sprints to validate and process client data, reducing inconsistencies and improving project delivery timelines.
- Designed and implemented a scalable microservices architecture using Spring Framework and RESTful APIs, reducing system downtime and enhancing modularity.
- Optimized microservices with multithreading techniques, boosting processing speed and improving overall system efficiency.

- Automated and managed CI/CD pipelines with Jenkins, reducing deployment times and improving the overall development lifecycle.
- Deployed microservices on OpenShift using automated CI/CD pipelines, improving deployment reliability and ensuring consistent environments.
- Enhanced code quality through robust unit tests written in JUnit, utilizing advanced mocking techniques to reduce production bugs and increase code coverage.
- Upgraded microservices to the latest MS360 versions, ensuring compliance with modern enterprise standards and maintaining long-term compatibility.
- Documented container images and metadata using Nexus and streamlined API testing by documenting endpoints in Swagger, improving collaboration and testing efficiency.
- Leveraged Jira to track tasks, manage sprints, and improve alignment with Agile methodologies, achieving a 90% completion rate for sprint goals.

Tech Stack: Java, Spring Boot, MongoDB, Jenkins, Kubernetes, Grafana, Docker, REST APIs, Log4j

CERTIFICATIONS

- Google Cloud Computing Foundations Certificate
- Oracle Cloud Infrastructure 2024 Generative AI Certified Professional
- GitHub Actions
- Spring Boot
- ReactJS

PROJECTS

Title: CRUD Application
Git: [https://github.com/NAVEENKUMARMATURI/CRUDApplication]
Responsibilities:
- Implemented a full-stack CRUD application using Spring Boot and Spring Data JPA, with secure RESTful APIs for seamless front-end and back-end communication.
- Integrated Spring Security for robust user authentication and data encryption, reducing unauthorized access risks. Optimized database interactions with Hibernate and ensured application stability through comprehensive unit and integration tests using JUnit.

Tech Stack: Java, Spring Boot, Hibernate, RESTful APIs, Spring Data JPA, Spring Security, Junit

Title: E-commerce Web Application
Git: [https://github.com/NAVEENKUMARMATURI/ecommerce-website]
Responsibilities:
- Built a secure e-commerce platform with a responsive ReactJS front-end, featuring user authentication, session management, real-time search, advanced filtering, and order management. Integrated MongoDB for seamless data flow and implemented mobile-friendly interfaces.

Tech Stack: ReactJS, MongoDB, HTML5, CSS3, JavaScript, RESTful APIs

Title: Movie Maniac Web Application
Git: [https://github.com/NAVEENKUMARMATURI/MovieManiac-ReactApplication]
Responsibilities:
- Designed and developed a responsive movie website using ReactJS, integrating third-party APIs for dynamic movie data and real-time information. Optimized UI/UX for seamless performance across devices, leveraging HTML5, CSS3, and JavaScript for compatibility, responsive design, and dynamic content rendering.

Tech Stack: ReactJS, HTML5, CSS3, JavaScript, Movie Data APIs

Title: Zombie Rush Web/Mobile Application
Git: [https://github.com/NAVEENKUMARMATURI/zombieRush]
Responsibilities:
- Developed a cross-platform zombie game web application with a responsive interface using HTML5, CSS3, and JavaScript, ensuring compatibility across desktop and mobile devices.
- Built back-end game logic with PHP to handle game state, user interactions, and database integration for user scores, incorporating dynamic animations and real-time updates for engaging user experience.

Tech Stack: HTML5, CSS3, JavaScript, PHP

EDUCATION

Missouri University of Science & Technology, Master's in Information Science | Rolla, Missouri **Aug 2023 - Dec 2024**
Gayatri Vidya Parishad College of Engineering, Bachelor's in Computer Science | India **Jun 2015 - Apr 2019**