**Sainath Reddy Gaddam**

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# **Summary**

# As a Full-Stack Java Developer with over 5 years of expertise in building scalable enterprise applications using Java, Spring Boot, Microservices, and RESTful APIs. Skilled in front-end development with Angular, React, and JavaScript, and proficient in cloud technologies like AWS, Docker, and Kubernetes. Adept at DevOps practices, database management, and modernizing legacy systems to enhance functionality and performance. Strong communicator with a proven track record of mentoring teams and delivering high-quality solutions in agile environments.

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# **Skills**

* **Microservices & APIs:** Microservices Architecture, RESTful APIs, SOAP Web Services (JAX-WS), Apache Kafka, Spring Security, OAuth 2.0.
* **Programming Languages, Frameworks & Databases:** Java 8, Spring Boot, Spring Cloud, Spring Batch, Hibernate,JavaScript, Angular 10, React, jQuery, Bootstrap, HTML5, CSS3, MySQL, PostgreSQL, Oracle, MongoDB, Cassandra
* **Cloud & DevOps Technologies:** AWS (EC2, S3, Elastic Beanstalk, Lambda), Azure, Docker, Kubernetes, Terraform, CI/CD Tools (Jenkins, Maven, Git)
* **Testing & Performance Optimization:** JUnit, Mockito, Jasmine, Karma, JMeter, Front-end and Back-end Optimization
* **Development Tools & Practices:** Git, Maven, IntelliJ IDEA, Eclipse, Agile Practices (Scrum, Sprint Planning, Code Reviews)

# **Experience**

**CVS Health** (**Software Engineer, Texas**)

*Feb 2022 – Present*

**Integrated Pharmacy Management System (IPMS)**

* Developed an end-to-end micro service-based application using **Spring Boot** for the backend and HTML5, CSS3, JavaScript (ES6), npm modules and **AngularJS** for the frontend application. Worked in **Agile** Methodologies.
* Implemented Angular services to handle data and functions, ensuring they were available for dependency injection during component creation.
* Employing Continuous Integration and Continuous Deployment (**CI/CD**) pipelines using tools like **Jenkins** for automated builds and deployments.
* Utilized Angular Reactive Forms for complex form implementations and validations with Form Builder.
* Implemented **Kotlin** Coroutines for handling asynchronous tasks, improving non-blocking I/O operations and enhancing system performance in high-concurrency environments.
* Integrated **Apache Kafka** with the **ELK** (Elasticsearch, Logstash, and Kibana) stack to analyze test results and logs in real-time, providing valuable insights for the development and testing teams.
* Designing, developing, and maintaining databases (SQL and NoSQL) such as **Oracle**, and **Redis** in memory databases. Developed database management applications on the Linux platform.
* Built and sustained APIs for web apps using **TypeScript** in a **Next.js** environment. Applied Redux for state management, creating Redux stores, actions, and reducers for consistent data handling.
* Designed **SOAP**-based services for standardized communication and RESTful services for efficient, stateless interactions, catering to diverse integration needs.
* Analyzed application and server logs with **Splunk**, reducing error rates by identifying and addressing root causes in a timely manner.
* Implemented **Test Driven Development** (TDD) methodologies in the creation of backend services, analyzing and optimizing application performance, identifying bottlenecks, and implementing improvement solutions.
* Developed and maintained unit and integration tests using Kotlin with JUnit5, resulting in cleaner, more maintainable test code and improved test coverage.
* Familiarity with AWS Elastic Block Storage (**EBS**), including various volume types, and adept at selecting and utilizing different EBS volumes based on specific project requirements.
* **Migrated Java components** of the application incrementally to Kotlin, maintaining compatibility while improving overall code performance and reliability.

**TA Digital** (**Software Engineer, India**) *Jun 2019 – Jun 2021*

**OmniChannel Commerce Integration Platform (OCIP)**

* Managed the complete SDLC, including requirements gathering, analysis, design, development, and testing, adhering to AGILE methodology (SCRUM) and TDD principles.
* Design and develop Web Applications using Angular 12, NodeJS, Express JS, Bootstrap, HTML/HTML5, jQuery, CSS/CSS3.
* Implemented a project using ASP.NET, Visual C#, and Microsoft SQL Server 2005 as the back-end database.
* Created a responsive front-end app with **React** **Native**, **Redux**, **Flex**, and **JavaScript** for seamless user interactions.
* Used **Angular** to create views to hook up models to the DOM and synchronize data with the server as a single page application.
* Performed validations on web forms using .NET validation controls and JavaScript.
* Created and consumed web services using Visual C# and ASP.NET.
* Orchestrated a CI/CD pipeline with **Docker** and **Jenkins**, employing server virtualization through Docker for streamlined Dev and Test environments and configuring automation via **Containerization**.
* Executed unit testing using JUnit, validating the reliability and accuracy of developed software components.
* Monitored application health and performance using **DataDog** to proactively identify potential issues, increasing operational efficiency by 20%.
* Assisted in upgrading, configuration and maintenance of various Hadoop infrastructures like Hive, and HBase.
* Responsible for managing and reviewing Hadoop log files. Designed and developed data management system using MySQL.
* Designed and executed Software Automation Testing, primarily focusing on API testing and design.

# **Education**

**Master of Science in Computer Science |** Texas A & M University – Corpus Christi. *Aug 2021 - May 2023*