Santhosh Varma Thamishetty
Software Developer
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Professional Summary:

A Cogitative Software Developer with 3+ years of experience specializing in web application development, microservices, and cloud technologies. Led the full **SDLC** for multiple projects, delivering solutions **20% faster** and optimizing **performance by 15%** using **Spring Boot, Java, and Angular.** Proven expertise in enhancing system reliability through the implementation of Saga patterns**, Kafka**, and custom **Kibana** dashboards, while enhancing database performance with **SQL, PL/SQL, MongoDB**, **PostgreSQL** while improving deployment efficiency by **40% with Docker, AWS,** and **CI/CD** automation.

Technical Skills:

Web technologies:	HTML5, CSS3, JavaScript, NodeJs, Angular, and JSON
Languages:	Java, Python, C++, SQL
Frameworks:	Spring, Spring Boot, MVC, Flask
Databased:	MySQL, Oracle 10g, MongoDB, PostgreSQL
Tools:	Git, Maven, Jenkins, Kibana, Grafana, Jira, Kafka, Junit, REST, Postman.
Cloud:	Azure, AWS, Docker, Kubernetes.
Operating Systems:	Linux, Windows, Mac

Professional Experience:

Software Developer: Capgemini Technology Services   March 2020 —August 2023

- Spearheaded full **SDLC** development of web applications using **Agile**, delivering projects 20% faster, & developed **microservices** with **Spring Boot**, utilizing **Java Lambdas & Streams** to improve code efficiency by 15% & reduce memory usage by 10%.
- Implemented Saga patterns with **Spring Boot** & **Kafka** to manage distributed transactions, **improving data consistency by 25%,** while used custom **Kibana** dashboards to analyze log data, enhancing system performance & **security monitoring by 30%.**
- Built a dynamic **SPA** with **Angular 13**, **JavaScript**, and **TypeScript**, optimizing user experience and **reducing page load times** by **30%** through seamless data synchronization & extensively worked in Test Driven Development (**TDD**) framework using **JUnit**.
- Deployed containerized services on **AWS EC2** using **Docker**, achieving a 40% reduction in deployment time. Streamlined **CI/CD pipelines** with **Jenkins**, automating API testing and reducing manual tasks by 40%.
- Enhanced **CI/CD** pipelines with Jenkins and **Maven**, containerized applications using Docker for **30% faster deployments**, and optimized database interactions with **SQL, PL/SQL, MongoDB**, and **Log4j** for runtime exception handling.

Software Developer: Swank Innovations   October 2018 – February 2020

- Collaborated with stakeholders to understand and close requirement gaps, delivering enhancements for healthcare applications used globally to track medical documents, improving **application efficiency by 20%.**
- Developed and optimized **REST** services to extract patient and document information, enhancing data accessibility for healthcare facilities and **reducing system defects by 15%** through effective bug resolution.
- Contributed to the development of key features for the 'Continuous Education Evaluation Framework,' **improving user** engagement **by 25%** and enhancing the learning platform for Cerner associates.

Education:

George Brown College, ON, Canada – Post Graduation, Cloud Computing(4.0/4.0) GPA   September 2024 – December 2025

- Linux and Windows System Administration, Networking, Active Directory, Microsoft 365, Azure and Aws.
- **Scholarship Recipient: "**GBC INTL Entrance Scholarship-2024**", "**Dean's Award – FALL 2024**"**

Algoma University, ON, Canada – Graduate Certificate, Information Technology (3.8/4.0) GPA   August 2023 – May 2024

- Led seminars, projects on Cloud and Data Management, Web & Data Security, Analysis Modelling, Software Engineering, Mobile Application Development, Database Programming, Data Structures.
- **Scholarship Recipient: "**Chancellor's Award**"**

Academic Projects:

Project on Security Issues and Challenges in Cloud Computing: November 2024

- Addressing Vulnerabilities and safeguarding data integrity in cloud-based infrastructure.

Quiz Application: September 2024

- Developed a quiz service using Java and Spring Boot, exposing a REST API to generate random quizzes, with PostgreSQL for database management and Postman for API testing.

Technologies Used: Java, Spring Boot, PostgreSQL, REST, Postman

Weather App: August 2024

- Built a Python weather app that retrieves current weather conditions for any user-specified location using a REST API and developed a Flask framework application with SQL integration for efficient data management via CRUD operations.

Technologies Used: Python, Flask, SQL, REST, Postman

College Management System: April 2024

- Developed an integrated web application for managing academic and non-academic activities, featuring customized home pages for each user with their profiles and handles all details of students.

Technologies Used: HTML, CSS, Java, Servlets

Database Development project for Car Rental Agencies: February 2024

- Developed a comprehensive database system to streamline and manage data for car rental agency operations, ensuring efficient data monitoring and handling.

Technologies Used: MySQL, Splunk

Certifications:

- Certification in Agile Software Development Cycle.
- CCNA Certified Network Fundamentals.
- Microsoft 365 Certified: Fundamentals.
- Microsoft Certified: Azure Fundamentals.
- Microsoft Certified: Azure Administrator Associate
- AWS Certified: Cloud Practitioner.