**Santhosh Varma Thamishetty**
Software Developer
Ph No: +1(416)-831-9104
Email: varmasanthosh759@gmail.com  |  Portfolio  |  Linkedin

## Summary:

Results-driven **Software Developer** with **3+ years** of experience in **backend development**, specializing in **Java**, **Spring Boot**, and **RESTful APIs**. Currently completing a **postgraduate program in Cloud Computing** with a **4.0 GPA**, gaining practical expertise in **cloud platforms** including **Amazon Web Services (AWS)** and **Microsoft Azure**. Skilled in building **scalable, cloud-native applications**, automating backend workflows, and integrating enterprise-level systems. Experienced in tools and technologies such as **Git, Maven, Docker, Kubernetes**, and **CI/CD pipelines**. Strong understanding of **microservices architecture**, **cloud deployment models**, and **DevOps best practices**. Adept at working in Agile environments and committed to continuous learning and innovation in the software development lifecycle.

## Technical Skills:

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|---|---|
| **Web Technologies:** | HTML5, CSS3, JavaScript, Angular, Bootstrap, Log4j and JSON. |
| **Languages:** | Java, J2EE 1.5/1.4, SQL, PL/SQL. |
| **Frameworks:** | Hibernate ORM, Spring MVC, Spring Boot. |
| **Databases:** | Oracle 11g, NoSQL, SQL Server, Mongo DB |
| **Tools:** | Jenkins, Maven, Kafka, JIRA, AWS. |
| **Cloud Computing:** | AWS (EC2, S3, Lambda, API Gateway), Docker, Kubernetes. |
| **Testing Tools:** | JUnit, Selenium |

## Professional Experience:

**Capgemini Technologies:**                                                                    **Mar'2020—Aug'2023**
**Role: Junior Developer**
**Responsibilities**

- Developed web applications through the full SDLC, from design to deployment, participating in requirement gathering, design, analysis, and development using Agile (Scrum) methodologies.
- Implemented applications using **J2EE technologies** based on the **MVC architecture**, utilizing frameworks like **Struts, Spring**, and **Hibernate** to ensure robust and scalable solutions.
- Working knowledge of **J2EE** technologies, such as **Servlets**, **JDBC**, JSP, Struts, Spring IOC, Spring MVC.
- Used **Spring Core** framework for building the application based on **IOC** design paradigm.
- Engaged in building and deploying scripts through **Maven** to produce **WAR, EAR, JAR files**.
- Developed user interface by using **React.js**, Flux for SPA development. Involved in building single page cross browser compatible applications using **React JS**.
- Developed **Database** connection methods using **JDBC** to connect Oracle database.
- Worked on **Mongo DB** database concepts such as locking, transactions, indexes, Sharing, replication, & schema design, etc.
- Experience in using **RDBMS** concepts and creating complex database queries in SQL and **PL/SQL** for fetching results in **Oracle** using **JDBC** concepts.
- Responsible for creating an instance on Amazon **EC2** (**AWS**) and deploying the application on it.
- Configured **AWS IAM** Groups, Roles, Policies, and Users for login authentication.
- Developed **API** for using **AWS Lambda** to manage the servers and run the code in AWS.
- Used **Docker** to containerize the Services and APIs to run on **EC2** instances.
- Extensively used **Jenkins** as build automation tool to streamline CI/CD process.
- Participated in Functional and System Integration Testing (SIT) in **Unix/Linux** Environment.

## Education:

**George Brown College,** Toronto, Canada– Post Graduation in Cloud Computing (**4.0/4.0**) GPA          **Sep' 2023 – Aug '2025**
**Accomplishments:**

- **Dean's List:** Fall 2024, Winter 2025.
- Secured GBC International Scholarship Award – 2024.
- Runner-Up **– AWS DeepRacer Competition 2025.**

**Projects:**

**AI Chatbot Integration**

**Technologies and Tools**: Java, Spring Boot, Postman

- Built an AI chatbot using Java, Spring Boot, and OpenAI, capable of understanding and responding to user queries in natural language.
- Integrated with Swagger and Postman for API testing; deployed via local server with JSON-based request/response handling.
- Focused on use cases like delay explanation, error translation, and next-step recommendations for user-friendly backend systems.

**College Management System**

**Technologies and Tools**: HTML, CSS, Java, Servlets

- Developed an integrated web application that handles various academic and non-academic activities.
- Every User will have a customized home page with his/her profiles and handles all details of students.
- Updating weekly college events on the college website.
- Developed websites under professor with HTML, CSS, and JavaScript.

**Certifications:**

- Microsoft Azure Fundamentals.
- AWS Certified Cloud practitioner.
- AWS Associate Software Developer.