SAI TEJA REDDY YELDANDI

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PROFESSIONAL SUMMARY

Software Engineer with **2.5+ years at Optum (UnitedHealth Group)** delivering full-stack healthcare applications in **Agile environments**. Strong experience in **Java, Spring Boot, REST APIs, SQL databases**, and frontend development using **TypeScript**. Proven track record of supporting **automation workflows, UAT, production deployments**, and cross-functional teams. Completed MSc in Data Science with strong applied software engineering foundations.

EDUCATION:

MSc Data Science & Analytics - Munster Technological University, Ireland **2024 - 2026**

B.Tech Computer Science Engineering – JNTU, Hyderabad, India **2017 – 2021**

EXPERIENCE:

Associate Software Engineer – UnitedHealth Group Inc (Optum), Hyderabad, India **July 2021 – February 2024**

- As a SmartDCOM application developer in an Agile environment, developed customer-centric UI pages for internal teams and enhanced existing features by resolving vulnerabilities and improving functional efficiency. Implemented new capabilities including auto-closure workflows, in-app ServiceNow request creation via APIs, email enhancements, and auto-fill functionality for faster incident creation. Supported production deployments and resolved multiple frontend issues, ensuring application stability and improved user experience.

- As a Tester, I tested user stories, reducing manual effort for developers and delivering high-quality application features with time and cost savings. Conducted manual and sanity testing across dev, test, stage, and prod environments as the sole tester, actively logging bugs, documenting results, and tracking issues. Participated in scrum calls to optimize business logic based on incident handling, addressed process gaps, improved SmartDCOM automation through efficient testing, refined user stories, reworked workflows, validated logic using large test data, and collaborated closely with customers and developers to enhance overall product quality.

- As a validation engineer, I gained experience working on a decommission project, immersing myself in the team's core functions and operations. Handling 1200 requests and completing the requesting within the turnaround time. I developed understanding of server migration, database backup, and utilized tools such as Jenkins and ServiceNow. With effective communication, I successfully completed tasks without impacting client businesses and resolved customer issues.
  Tech: Java, SQL Server, MySQL, REST APIs, Spring Boot, ServiceNow, Jenkins, Agile, SDLC, Testng, Selenium

PROJECTS:

- **Employee Management System**
  Designed and implemented a CRUD-based employee management system following enterprise application standards using **Java, Spring Boot, MySQL, Angular, and TypeScript**. Built RESTful services, implemented database integration, and developed a responsive frontend to manage employees and departments.

- **Rotten Potatoes – Movie Review Web Application**
  Designed and developed a user-facing movie review web application using **Angular and TypeScript**, featuring authentication, movie listings, and detailed review pages. Implemented structured routing, reusable UI components, and dynamic content rendering to deliver a responsive and user-friendly interface. Integrated backend services using Java, Spring Boot, and MySQL.

- **Major Project – Time Series Forecasting Platform (ARIMA, LSTM, Transformer, FinBERT)**
  Designed and implemented an end-to-end forecasting platform using **Python**, integrating statistical and deep learning models including **ARIMA, LSTM, BiLSTM, and Transformer**. Built reusable data preprocessing pipelines, performed model training and hyperparameter tuning, evaluated performance using **MAE, RMSE, and MAPE**, and integrated external sentiment data via **FinBERT APIs**. Emphasized modular design, clean architecture, and production-ready code practices.
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SKILLS:

• Programming Languages: Java, Python, SQL, R, C
• Frontend Technologies: React, Angular, TypeScript, JavaScript, HTML, CSS, Bootstrap
• Backend Technologies: Spring Boot, REST APIs
• Databases: MySQL, MongoDB, SQL Server (SSMS)
• Cloud & DevOps: Azure , AWS (basic), Docker, Kubernetes
• Tools & Frameworks: Git, GitHub, Jenkins, ServiceNow, TestNG, Selenium, Weka
• Methodologies: Agile, SDLC, UAT, Automation
• Data & Analytics: Data Analysis, Data Cleaning, Data Visualization, Modeling, Web Scraping
• Other Skills: Analytical Thinking, Problem Solving, Communication, Collaboration, Continuous Learning

CERTIFICATION:

• Microsoft Certified: Azure Administrator Associate (AZ-104) - In Progress (Expected: February 2026)
• University of Michigan certified in Python Data Structures (Coursera)
• Certified in Full Stack Engineering (FSE) Java from Optum Global Solutions (India) Private Limited.
• HackerRank certified in Angular & JavaScript(Intermediate) Skills.
• DeepLearning.AI certified in AI for Everyone (Coursera).

ACHIEVEMENTS:

• Received Certificate of Excellence from Vice President Anne Finch (Enterprise Enablement & Platform Services) of Optum.
• Received Bravo award from Director Dave Bissegger (Business Operations and Strategy Management) of Optum.
• HackerRank: Gold Badge in C, Java, Python & Problem Solving.