Sai Sruthi Chalasani

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Summary

Over 4 years of expertise in Java technologies, including Spring, Hibernate, and Microservices architecture, with a proven track record of delivering innovative software solutions. Demonstrate proficiency in object-oriented design, database administration, and AWS deployment. Possess skills in unit testing, CI/CD implementation, and Agile methodologies, contributing to projects ranging from analysis and design to successful delivery. Experience in leading projects, collaborating with stakeholders, and ensuring top-tier code quality, establishing a strong foundation for impactful software development endeavors by reducing the human efforts nearly by 60%.

Professional Experience

UPS- United Postal Services   **Parsippany, NJ**
Senior Program Analyst   **2023 –Present**

- Technical Expertise in B**usiness Rules Engines:** Proficient in utilizing **IBM Operational Decision Manager** to design, implement, and manage complex decision logic within applications.
- Demonstrated hands-on experience in configuring **rule set** artifacts**, decision tables**, and **rule flows** to enhance system efficiency.
- Designed and developed applications using **Java**, adhering to Object Oriented Programming principles.
- Experience in setting up a CI/CD pipeline by integrating **Jenkins** with **Azure TFS repo** and **GCP Kube environments.**
- Implemented Unit test cases using **JUnit, Mockito.** Debugged and resolved errors/bugs raised with **REST API** and **Postman**
- Effectively utilized **SonarQube** to ensure coding standards/security, integrating it with pipelines for continuous code inspection.

JPMorgan Chase & Co   **New York, NY**
Associate Software Developer   **2022 –2023**

- As a Partner channel associate, implemented **10+ microservices** with **Java** and **React** while supporting **AWS** client, emphasizing error response validation, in an Agile/Scrum environment.
- Reduced deployment process time by 50% by implementing a highly efficient **Jenkins** pipeline integrating **Git**, **AWS**, and **Terraform** with a team of 3 engineers, resulting in consistent and error-free releases.
- Enhanced database performance by migrating from **MySQL** to **PostgreSQL** that reduced data loss from 1% to 0.003%
- Created **Bootstrap** data, streamlining **UI development** by generating relevant data with unique IDs, enhancing user experience, reducing work hours by 90% and increasing user engagement by 12%.
- Employed **Terraform** to orchestrate and administer the foundational cloud infrastructure supporting 6 **Kubernetes clusters**, guaranteeing a smooth process for deploying and dynamically scaling these containerized applications within an **AWS**.
- Developed and maintained projects in **GitHub**, including creating and managing repositories, issues and pull requests.
- Utilized **Jira** as a project management tool to track tasks, bugs, and issues throughout the **Software Development Lifecycle**. Worked with Jira's **Agile** board to manage **sprints** and prioritize tasks for development.
- Automated **unit testing** with **JUnit, Selenium, Blazemeter**, increasing test coverage by 15% and reducing test execution by 25%.

Hyundai Mobis   **Hyderabad, India**
Research Engineer   **2019 –2022**

- Integral role in developing a cutting-edge **Remote Smart Parking Assist** (RSPA) system, automating parking processes.
- Debugged and tested **Simulink**-based algorithms **Parking Slot Detection and Parking Path Control** for Korean clients, ensuring performance and reliability.
- Authored **Park Slot Detection** Logic from scratch, deployed in GENESIS G90 CAR model's ECU for functional RSPA system. Ensured model quality via rigorous **Functional** and **Unit Testing** with tools like **Polyspace** and **CARSIM**.
- Demonstrated proficiency in full stack programming including **MERN**, used **AWS** services for website setup.
- Managed **MySQL** databases, consistently achieving optimal performance with query response times averaging under 50 milliseconds, implementing robust security measures to maintain a 99.99% uptime rate.
- Spearheaded the implementation of **CI/CD** pipelines using **Jenkins** and **GitHub**, reducing deployment time by 50% and ensuring faster delivery of high-quality software releases in adherence to **Agile** methodologies throughout the entire **SDLC**.

Education

Stevens Institute of Technology   **Hoboken, NJ**
Master of Science in Computers and Information Science   **2022 –2023**
Amrita Vishwa Vidyapeetham   **Coimbatore, India**
Bachelor of Technology in Electronics and Instrumentation Engineering   **2016 –2020**

Skills

Java Frameworks:	J2EE, RESTful API's, Servlets, JSP, JDBC, React, Angular 2/4/8, Spring boot, Hibernate, JPA
ML Frameworks:	TensorFlow, PyTorch, OpenCV, skLearn, Scikit-Learn, NLTK, BeautifulSoup, TSNE, TSNK
Cloud and Programming:	C, Python, Java, R, JavaScript, C#, C++, Amazon Web Services, Microsoft Azure, IBM-ODM
Database:	MySQL, PostgreSQL, MongoDB, Cassandra, NoSQL
IDE/Editors:	IntelliJ, Visual Studio, Eclipse, MATLAB
Methodologies:	Agile, Scrum, Waterfall Model
Project Management Tools:	GitHub, Bitbucket, Confluence, JIRA, Kafka