

Sai kumar Padamati

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EDUCATION

University of Florida

Master of Science in Computer Science; GPA: 3.77/4.0

Gainesville, Florida

Aug 2022 – May 2024

JNTU College of Engineering Hyderabad

Bachelor of Technology in Computer Science and Engineering; GPA: 3.9/4.0

Telangana, India

Aug 2015 – May 2019

SKILLS

Programming: Java, Javascript, Python, TypeScript, C++, C#, NodeJS, Golang/Go, Erlang.

Web Technologies: RESTful APIs, HTML, CSS, ReactJS, ExpressJS, Spring Boot, Spring Security, Spring Kafka

Cloud technologies: AWS Lambda, DynamoDB, S3 bucket, AWS Athena, Azure, GCP

Developer tools: Git, Linux, Bash, VS Code, IntelliJ, Postman, Jira, Maven, Groovy, Docker, Confluence, Cassandra

Databases: SQL, PostgreSQL, MongoDB, Elastic Search, Redis

WORK EXPERIENCE

Brillio Technologies

Senior Software Engineer

Hyderabad, India

Mar 2022 – Aug 2022

- Revitalized various modules within a legacy application during the ESAP migration project for Verizon, leading to a 25% enhancement in the performance of the new application. Developed the backend using Java, Spring Boot, and Oracle SQL, while employing ReactJS for frontend development.
- Conducted **HLD** and **LLD** reviews, designed the tools architecture, and performed trade-off analysis to ensure optimal design choices were made, resulting in an 80% reduction in pipeline analysis time and decreased error rates compared to manual analysis.
- Used a **Data Lake** to fetch data points using efficient SQL queries with less than **1 minute** query execution time.
- Utilized Docker, Kubernetes and Jenkins to ensure the application was tested thoroughly across multiple environments during deployment.

Wipro Technologies

Project Engineer

Hyderabad, India

Jun 2019 – Feb 2022

- Contributed to the development of B2B applications for HPE and Fruit of the Loom clients using Java, Springboot, RestAPI, SQL, Git.
- Played a key role in engineering and implementing new functionalities for the application, including a quoting system, which eliminated the need for dependence on other applications. Strengthened skills in both backend and frontend development through this experience.

PERSONAL PROJECTS

Stock Portfolio Analyzer

- Developed a visual stock portfolio analyzer from scratch using Java8, **RESTAPI**, Gradle. Implemented the core logic using **DesignPatterns**, refactored the code to add support for multiple stock services. Improved the application stability and performance by 15% by using **multithreads**.

Wordle Clone

- Developed a Wordle project utilizing Advanced **React** and **React Hooks**, including **useState** and **useEffect** for state management. Implemented **Context API** and **useContext** for efficient state handling across components. Demonstrated strong proficiency in React and JavaScript logic to create an engaging and functional Wordle game experience.

US Vehicle Crash Data Analysis

- Engineered a **Vehicle Crash Data Analysis** system utilizing **Java**, **ReactJS**, and **Spring Boot**, that can handle visualization of **250,000** vehicle crash records.
- Developed a sophisticated **web-based interface** for the system, facilitating efficient user interaction with extensive crash data for **thorough analysis** and insights.
- Improved **data query efficiency** and **accuracy** in the tool by **30%** writing optimized complex SQL queries.