SHRUTHI SRINIVASAPRASAD

(469) 686 0968 | shruthey98@gmail.com | GitHub/shruthey | LinkedIn/shruthey

PROFESSIONAL EXPERIENCE

Oracle Cerner, Bangalore, India   Jun 2020 – Aug 2022
Software Engineer

- Worked on developing **Healthcare Document Management** systems that facilitated efficient document retrieval, dynamic status bars, and seamless updates to records for 1000+ customers.
- Developed new features and enhancements for **web applications** using **React.js** in an **agile development** team.
- Used **Redux** for state management, made API calls using **AJAX** and **jQuery** to retrieve data asynchronously, significantly improving the **responsiveness** of the applications.
- Wrote **RESTful APIs** in **C# .NET** Web API framework to save and retrieve data from **SQL Server** databases, implementing OOP concepts.
- Designed data models and created tables using **T-SQL**, wrote stored procedures that provides data for REST API calls from web applications.
- Migrated all relational databases into **JSON** based tables by writing high level **data migration stored procedures** and functions, reducing the **query response time by 67%.**
- Built a system that implements Portfolio Project Management application's API to add the project creation feature to document management application, creating a seamless and a more efficient flow.
- Performed **code reviews** and followed **Test-Driven Development.** Wrote automated Unit tests and Integration tests for all API Endpoints, Controllers, and Models, maintaining a code coverage up to **95% in SonarQube**.
- Collaborated with solution designers, principal engineers, product managers, and cross-functional teams to align technical solutions with business requirements, ensuring seamless integration and optimal functionality.

Oracle Cerner, Bangalore, India   Dec 2019 – Jun 2020
Software Intern

- Designed and created custom BMC Remedy dashboards using **MS PowerBI** and **Snowflake** for **20+** clients.
- Built a prototype for a skill builder site in React.js, with quizzes and questionnaires, tested with **150+** employees.

PROJECT EXPERIENCE

Guard AI (Axxess Hackathon 2024)   Feb 2024

- A developed a robust website that takes a **video as input**, analyses it with an average **90% confidence**, and provides the user with suggestions, using **YOLOv8** algorithm for **object detection**.
- Contributed to the front-end development using **React.js** and worked on the seamless React-Python integration.

ChatOn   Mar 2023

- Created a chat application with chat rooms and **real-time communication** using Socket.io to support concurrent communication for **700+ users**, ensuring a seamless and robust real-time experience for a large user base.
- Applied secure **user authentication**, group chat functionality, and optimized the front-end with React state management; optimized it to reduce the loading time by **30%** compared to initial run.

Patent Manager (Cerner SSE Hackathon 2022)   Jun 2021

- Engineered the front-end development for a patent management app for SSE associates, streamlining claim tracking with role-specific actions.
- Secured **2nd place** in the hackathon and selected to become an enterprise-wide initiative.

EDUCATION

The University of Texas at Dallas   **Graduating May 2024**
Master of Science, Business Analytics
Relevant Coursework: Design and Analysis of Computer Algorithms, Database Design, OO Application Design (UML)
Christ University   Aug 2016 – Jun 2020
Bachelor of Technology, Computer Science

TECHNICAL SKILLS

Programming Languages: Java, C#, Python
Web Technologies: React, Angular, .NET, Node.js, JavaScript (ES6), jQuery, HTML, CSS
Databases: SQL Server, Oracle, Postgres, MongoDB, Snowflake
DevOps: Jira, Jenkins, Octopus, Remedy, Git, Source Tree, Crucible, SonarQube