SHRUTHI SRINIVASAPRASAD

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TECHNICAL SKILLS

Surfaces: Frontend (Vue.js, React.js, Node.js, HTML, CSS, Webpack), Backend (C#, .NET, Java)
Languages: Java, C#, Python, JavaScript, Typescript, C++
Databases: SQL Server, Oracle, PostgreSQL, MongoDB, MySQL
DevOps: Jira, Jenkins, Octopus, Git, SonarQube

PROFESSIONAL EXPERIENCE

MyDirectives, Richardson, TX, USA   May 2024 – Present
Software Engineer
- Developed a digital Advance Care Planning platform used by 80,000+ end-users and 20+ healthcare providers, enabling streamlined documentation for care planning.
- Built highly scalable, modular, and reusable UI components for user/patient creation, adding contacts and healthcare agents, and generating documents, ensuring feature consistency and maintainability across the application, resulting in a ~25% increase in user engagement. (Vue.js)
- Designed and implemented RESTful APIs, leveraging Entity Framework with a database-first approach supporting a 20% increase in traffic with no degradation in response time. (C#, .NET)
- Implemented attribute-based routing and exception-handling to increase API security and consistent routing.
- Led an accessibility project across the application by developing components in compliance with WCAG guidelines, significantly improving usability for users with diverse needs.
- Developed online forms for physical Portable Medical Order documents improving consistency, security, and accuracy by ~70%. (Survey.js, Vue.js, JavaScript, SQL)
- Collaborated with cross-functional teams to deliver user-centric features, contributing to an overall NPS rating of 9.8 through a focus on quality, usability, and performance.

Oracle Cerner, Bangalore, India   Dec 2019 – Aug 2022
Software Engineer
- Developed an EHR system that enables clinicians to efficiently manage patient lab tests and results by creating various workflows, including test building, tracking, and documenting for 1000+ clients.
- Led the end-to-end development of a real-time test documentation tool, by delivering scalable features and streamlining UI/UX, resulting in a system-wide improvement in client flow by ~5%.
- Redesigned the SQL database schema and optimized API logic by leveraging stored procedures for complex operations, reducing query execution times by 30%. (T-SQL)
- Integrated Entity Framework Core for object mapping, improving API response time of up to ~67%. (C#, .NET)
- Refactored and migrated all simple relational databases into JSON based relational tables by writing data migration stored procedures and functions, further reducing the query response time.
- Designed and developed new features and enhancements for web applications by collaborating with UX Solution designers and product managers, increasing user engagement by ~15%. (React.js, Redux, JavaScript)
- Implemented unit and integration tests using NUnit and SonarQube, increasing code coverage to 95%.

PROJECTS

PokéDex   Jan 2025
- Designed and implemented a Pokémon card trading website using Poke API to dynamically render user's TCG card information. (Express.js, React.js)
- Added JWT authentication and token validation for a secure login, wrote REST APIs for CRUD operations ensuring secure database transactions. (JWT, MongoDB)

Guard AI (Axxess Hackathon 2024)   Feb 2024
- Developed a home safety website for households with children, suggesting safety features for objects around the house based on video analysis and generated AI based recommendations. (YOLOv8, Python, GPT)
- Designed and implemented modular features for the website, enhancing SEO and consistency. (React.js, Flask)

EDUCATION

Relevant Coursework: Design and Analysis of Computer Algorithms, Database Design, DSA, OO Application Design
The University of Texas at Dallas   Aug 2022 – May 2024
Master of Science, Business Analytics

Christ University   Aug 2016 – Jun 2020
Bachelor of Technology, Computer Science