Siddappa Karagar

Software Engineering Professional

Contact Information

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in - <u>Siddappa Karagar</u>

Bengaluru, Karnataka, India

Skills

Software Development Lifecycle (SDLC)

UI/UX Design and Development

Application Prototyping

Code Configuration

Operating Systems and Networking

Team Leadership

Software Design and Architecture

Continuous Integration/Continuous Deployment (CI/CD)

Unit Testing and Test-Driven Development (TDD)

Containerization and Virtualization

API Development and Integration

Continuous Learning

Technical Skills

Programming Languages: C#, Java, C++, JavaScript, Python

Web Development Technologies: HTML, CSS, ASP, ASP.NET, AJAX, XML, React, Kendo UI, jQuery

Frameworks and Libraries: Node.js, Express,Bootstarp,Tailwind

Version Control: GitHub, Team Foundation Server (TFS)

Integrated Development Environments (IDEs): Visual Studio, VS Code

Database Management: SQL Server

Education

Bachelor of Engineering (B.E.) in Mechanical Engineering   2022
Hirasugar Institute of Technology, Belagavi, Karnataka

Professional Summary

- High-caliber Software Engineering Professional with a proven track record of developing innovative solutions, creating user-friendly applications, and improving system functionalities.
- Proficient in developing high-quality, efficient, and scalable software applications, applying modern tools and frameworks to meet business requirements.
- Adept at implementing new features and debugging existing code, ensuring the software's stability, resolving issues, and improving overall system performance.
- Well-versed in quickly transforming business requirements into functional prototypes, allowing for early feedback, iterative improvements, and faster time-to-market by testing core features early in the development cycle.
- Competent in working within collaborative, cross-functional teams using Agile methodologies, including Scrum and Kanban, to deliver projects efficiently and adapt to evolving requirements.

Work Experience

Software Engineer   Jan 2023 - Present
SSM InfoTech Solutions   Surat

Feature Development & Debugging

- Spearheaded end-to-end feature development and debugging processes for the X-Studio framework, enhancing system architecture, scalability, and performance, resulting in an increase in application responsiveness and 20% reduction in load times.
- Engineered a sophisticated UI for managing trigger code configurations, utilizing event-driven architecture, dynamic rendering, and seamless data synchronization with SQL Server through AJAX calls.
- Developed reusable and customizable UI components, leveraging modular design patterns and object-oriented principles to empower users to tailor applications.

User Empowerment & Application Management

- Empowered over 200 non-technical users to seamlessly create and manage applications without coding expertise by leveraging low-code/no-code solutions and enhancing UI/UX design for simplified workflows.
- Engineered and implemented an intuitive drag-and-drop interface utilizing modern JavaScript libraries, optimizing front-end performance, reducing complexity, and enhancing the usability of application design and layout.
- Accelerated application lifecycle management by introducing rapid prototyping frameworks, enabling users to quickly iterate and deploy their applications with integrated CI/CD pipelines.

System Integration & Collaboration

- Integrated over 10 third-party services, ensuring robust data exchange, back-end architecture, and adherence to microservices architecture and system integration.
- Designed real-time collaborative features with WebSocket and Socket.io, enabling synchronous multi-user collaboration within applications to enhance team productivity.
- Architected a secure remote storage configurator, implementing secure file handling protocols, user impersonation, and cloud storage APIs to streamline file management workflows.

Data Aggregation & Reporting

- Optimized development costs by implementing modular frameworks, reusable codebases, and leveraging cloud-based solutions, resulting in reduced time-to-market.
- Developed an advanced data aggregation tool to generate real-time reports, incorporating multi-dimensional data modeling, OLAP cubes, and time-based hierarchies.
- Built an SQLite database viewer with SQL parsing capabilities, enabling users to interact with databases, execute complex queries, and visualize results with custom filtering and sorting options, reducing query execution time by 20%.

Full-stack Developer   Aug 2022 - Jan 2023
KodNest (Internship)   Bengaluru

- Developed and implemented dynamic web applications using HTML5, CSS, Core Java, and Java Swing, ensuring responsive designs. Utilized Object-Oriented Programming (OOP) principles and SQL to design and maintain robust database systems.