Jagajith B

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EDUCATION

Bannari Amman Institute of Technology	Sathyamangalam, TN
Bachelor of Engineering in Computer Science	*Aug. 2020 – May 2024*

EXPERIENCE

Software Developement Engineer I — July 2024 – Present
Xome — *Chennai, TN*

Project I | C#, .NET Core, Entity Framework Core, SQL

- API Modernization: Modernization of APIs using C#, .NET, and Entity Framework Core, implementing CLEAN architecture to enhance performance and maintainability.
- Database Migration: Converted stored procedures with business logic to Entity Framework Core using the Code First approach, optimizing data access and CRUD operations.
- Design Patterns: Applied CQRS, Repository, and Strategy design patterns to improve code organization, performance, and flexibility.
- Documentation and Design: Created detailed documentation for API changes and provided strategic code design recommendations to support scalable and maintainable development.

Project II | React, NextJs, SCSS

- Dashboard Development: Developed responsive dashboard, focusing on mobile-friendly design and well-structured, maintainable code.
- Performance Optimization: Enhanced website performance by optimizing loading times and improving key web vitals, including LCP, CLS, INP, and FID scores.
- Real-time Updates: Implemented real-time updates through WebSockets, ensuring timely data reflection on the dashboard.
- Custom Components and Hooks: Developed reusable custom components and hooks, streamlining code and improving developer efficiency.
- API Integration: Integrated APIs efficiently, reducing unnecessary calls and improving application responsiveness and performance.

Software Engineer Intern — Jan 2024 - Jun 2024
Xome — *Chennai, TN*

- MongoDB Schema Updates: Revised and optimized existing MongoDB schema to improve data structure and query performance.
- Feature Enhancement: Added new features to the application, including CRUD operations, to enhance functionality and user experience.
- Frontend Development: Utilized React and Sass to develop and style responsive web pages, ensuring a seamless user experience across different devices.
- UI Improvement: Updated and modernized existing UI components to be fully responsive, enhancing usability and accessibility.

PROJECTS

Mystic - Programming Language | *Python, Java* — Feb 2023 – Jun 2023

- Developed a programming language from scratch to gain deep insights into its underlying mechanisms
- Utilized Python and Java for implementation, ensuring a comprehensive understanding of both languages
- Delved into parsing, lexing, and interpreting code to comprehend the intricacies of language execution
- Explored advanced topics such as variable scoping, and control flow.

TECHNICAL SKILLS

Languages: Java, Python, C#, SQL, JavaScript, TypeScript, HTML/CSS, Dart
Frameworks: React, NextJS, Tailwind CSS, SCSS, Node.js, Express, Flutter, Entity Framework Core, .NET Core
Developer Tools: Git, SSMS, VS Code, Visual Studio