Amal Presingu

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github.com/AmalPresingu

TECHNICAL SKILLS

Programming Languages: JavaScript, HTML5, CSS, C#, Java, C++, C
Frameworks & Libraries: React, Express, Node.js, Jest, Bootstrap, Redux
Developer Tools: GitHub, GitLab, Vercel, Figma, Unity, IntelliJ, Visual Studio Code, Eclipse, Vim, G++, Android Studio

EXPERIENCE

Full-Stack Engineer | Biznessmen | *C#, HTML5, JavaScript, Java* **Nov 2021 - Feb 2022**

- Developed and maintained a responsive full-stack web application tracking the release of blockchain game for thousands of members**.**
- Fully developed Unity blockchain game in C# with multiple levels (2D platformer, Pong, Stacker, etc.) and embedded working build onto website using OpenGL.
- Regularly discussed business strategy with founders, and collaborated on public whitepaper plans using Notion.
- Modified gameplay features, including a complex physics system, based on feedback from potential stakeholders and game testers.
- Utilized Vercel to deploy completed website on custom domain, and pushed updates through GitHub.

PROJECTS

Portfolio Web Application | *Javascript, ReactJS, HTML5, CSS*

- Built a responsive personal portfolio to showcase selected projects for employers.
- Integrated interactive elements such as live project previews, smooth transitions, and performance optimizations.
- Utilized Figma to create prototypes focused on carrying a distinct visual language.

Full-Stack Sudoku Program | *C#, HTML5, Java*

- Coordinated meetings with 5 team members to build a Sudoku program focused on inspiring middle school students to pursue STEM careers.
- Designed software documentation while practicing Test-Driven Development.
- Developed 3 levels of difficulty ranging from easy to hard, and conducted unit testing key functionalities.

Assembly Language Compiler | *C++, ASM*

- Built a compiler in C++ that translates an imaginary coding language into ASM code.
- Scanned and parsed user input from keyboard or text file.
- Generated parse trees, performed static semantics, and created new target files with translated ASM code.
- Utilized GCC and Make to compile several files (scanner, parser, semantics, etc.) for runtime.

EDUCATION

University of Missouri - St. Louis **Aug 2019 - Dec 2022**
B.S. in Computer Science *GPA: 3.78 / 4.00*
Relevant Coursework: Advanced JavaScript, Full-Stack Development, Object-Oriented Programming (Java), Design and Analysis of Algorithms, Video Game Design and Development, Compilers, Operating Systems, Machine Learning, Software Profession, Discrete Mathematics, Calculus II, Linear Algebra, Probability and Statistics