Simrat Grewal

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EXPERIENCE

Software Developer Intern   Jan – Aug 2023
Reva Solutions   *Vancouver, BC*

- Designed and implemented Box integration for Zendesk, resulting in a published app on the Zendesk Marketplace that drove customer acquisition
- Utilized AWS, JavaScript (including Node.js), HTML, and CSS to develop the integration, showcasing proficiency in front-end and back-end development
- Collaborated on integrating Box functionalities into the Microsoft 365 suite, streamlining document management workflows.

PROJECTS

rust-tools.nvim | *lua, vimscript, dart, rust*   Apr 2022 – Jan 2024

- Developed a (neo)vim extension for rust language support
- Successfully started and worked on a large-scale open-source project (over 2000 GitHub stars)
- Managed hundreds of user issues and contributor pull requests
- github.com/simrat39/rust-tools.nvim

AnimeTwistFlut | *flutter, dart, kotlin*   Aug 2020 – Apr 2021

- Developed the anime app, AnimeTwistFlut, using Flutter and Kotlin, with over 12,000 downloads
- Designed a visually appealing user interface (UI), attracting a dedicated user base
- Leveraged my development skills to collaborate with a leading anime site on AnimeTwistFlut
- github.com/simrat39/AnimeTwistFlut

ThinkerDeckAI | *HTML, CSS, JS, OpenAI, DallE, MongoDB, Mongoose, Express*   Jan – Feb 2024

- Spearheaded a team of 3 developers to build an AI-powered quiz generator
- Used OpenAI's GPT model and Dall-E 2 to create engaging quizzes
- Ensured successful collaboration amongs peers, resulting in a completed multi-month project
- github.com/simrat39/ThinkerDeckAI

PixelBeats | *C++, Dart, arduino/esp32*   Apr 2024

- Developed a real-time music visualization system using an ESP32 microcontroller and a dot matrix display
- Established a connection between a Windows PC and ESP32 via WebSockets to capture and transmit audio data for visualization
- Programmed the ESP32 to translate audio data into bar visualizations displayed on the dot matrix display, creating a dynamic music experience
- github.com/simrat39/PixelBeats

EDUCATION

British Columbia Institute of Technology   Burnaby, BC
Computers System Technology   *Jan 2022 – May 2024*

TECHNICAL SKILLS

Languages: Java, JavaScript, Typescript, Dart, Lua, Python, C, C++, Rust, C#, HTML/CSS, SQL
Frameworks: Flutter, React, Svelte, Express, TailwindCSS, Bootstrap, Mongoose, Next.js
Developer Tools: vim, git, npm, docker, Firebase, IntelliJ, AWS
Databases: MySQL/MariaDB, MongoDB, Firestore, Sqlite