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Email: [USER INPUT REQUIRED] | Phone: [USER INPUT REQUIRED] | Location: [USER INPUT REQUIRED] | Linkedin: [USER INPUT REQUIRED] | Github: https://github.com/WeismannS | Website: [USER INPUT REQUIRED]

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## SUMMARY

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Full Stack Web Developer and LuaScripter with a strong passion for TypeScript and an extensive background in C, C++, JavaScript, Python, and Rust. Proven ability to build robust and scalable applications, from web servers and real-time communication tools to complex data parsers and API wrappers. Enthusiastic about problem-solving and continuously expanding technical expertise through hands-on projects and structured learning, as demonstrated by comprehensive Boot.dev course completions and LeetCode achievements.

## Education

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## Projects

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**Character.AI-TS**

* Developed an unofficial TypeScript/JavaScript wrapper for the Character.AI API, enabling programmatic interaction with the platform. Gained significant community traction with 19 stars.

**Komikku**

* Created a type-safe TypeScript library providing a unified API for fetching manga/manhwa data from diverse sources, demonstrating strong modular design and API integration skills.

**WebServer**

* Engineered a lightweight HTTP/1.1 web server in C++98 with CGI support, epoll-based I/O, and TOML configuration. This educational project provided deep insight into web server internals.

**inception**

* Implemented a Dockerized server setup for NGINX, WordPress, and MariaDB, ensuring secure configurations. Demonstrates expertise in containerization and full-stack deployment.

**Dining-philosophers**

* Solved the classic Dining Philosophers Dilemma using C and the pthread library, showcasing strong understanding of concurrency and synchronization.

**Genshin-Achievement-Maker**

* Developed a JavaScript package to generate Genshin Impact achievement images based on input arguments, demonstrating image processing and package development skills.

**Miku**

* Built a lightweight React-like framework from scratch using TypeScript, featuring fiber-based reconciliation and concurrent rendering, illustrating deep understanding of UI library internals.

**LuaUtilities**

* Curated a collection of essential utility functions in Lua, inspired by JavaScript and Python, to enhance Lua's native capabilities.

**vidsrc-imdb-extension**

* Created a lightweight browser extension for quick IMDB movie and TV series searches, enabling instant lookup, detail viewing, and IMDB ID copying.

## Technical Skills

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**Languages:** TypeScript, JavaScript, Python, C++, Rust, Algorithms

**Frameworks/Libraries:** ReactJS, Node.js, Express.js

**Tools/Technologies:** Docker, Git, Linux

**Other:** C, Lua, MariaDB, NGINX, WordPress, Object-Oriented Programming (OOP), Functional Programming, RESTful APIs, WebSockets, Problem Solving, Data Structures, Unit Testing, Debugging, Performance Optimization

## Achievements

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* Completed 'Learn Object Oriented Programming in Python' on Boot.dev, mastering concepts such as classes, encapsulation, inheritance, and polymorphism.
* Finished 'Learn to Code in Python' on Boot.dev, gaining foundational knowledge in Python programming including variables, functions, data structures, and error handling.
* Successfully completed 'Learn Linux' on Boot.dev, acquiring proficiency in navigating filesystems, managing permissions, using CLI tools (grep, find, pipes), and understanding terminals/shells.
* Mastered Git fundamentals through the 'Learn Git' course on Boot.dev, covering repositories, branching, merging, rebasing, and remote operations.
* Developed a 'Bookbot' command-line application in Python through Boot.dev, focused on text data analysis and professional development environment setup.
* Completed 'Learn Functional Programming in Python' on Boot.dev, understanding pure functions, recursion, higher-order functions, and decorators.
* Solved 18 problems on LeetCode, demonstrating strong algorithmic and data structure skills in C, JavaScript, and Python.
* Proficient in various LeetCode problem categories including Trie, Hash Table, Binary Search, Recursion, Math, Array, String, Sorting, and Linked List.