**WEISMANNS**

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## SUMMARY

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Polyglot Full-Stack Developer with a passion for TypeScript and creating robust, efficient solutions. Experienced in building full-stack applications, designing API wrappers, and developing low-level systems in C/C++. Demonstrates a strong foundation in computer science principles through projects like implementing a custom web server, solving concurrency problems, and building a React-like framework from scratch. A proactive learner committed to mastering new technologies, as evidenced by extensive coursework in Python, Git, and Linux, and consistent problem-solving on LeetCode.

## Education

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**Software Engineering / Computer Science (Inferred from projects)** | 42 Network | [USER INPUT REQUIRED]

## Experience

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## Projects

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**WebServer**

* Engineered and implemented a lightweight, high-performance HTTP/1.1 web server from the ground up using C++98. Features support for CGI scripts, efficient I/O handling with epoll, and flexible configuration via TOML files.

**Miku**

* Constructed a lightweight frontend framework inspired by React, built entirely from scratch in TypeScript. Implements a fiber-based reconciliation algorithm and supports concurrent rendering, showcasing a deep understanding of modern web framework architecture.

**Komikku**

* Developed a type-safe TypeScript library providing a unified interface to fetch manga and manhwa data from multiple online sources. This project highlights skills in API design, web scraping, and creating developer-friendly tools.

**Character.AI-TS**

* Created a popular unofficial TypeScript/JavaScript wrapper for the character.ai API, enabling developers to build applications interacting with the service. The project has gained community traction with over 19 stars on GitHub.

**Inception Stack**

* Architected a multi-service web application environment using Docker. Deployed and networked NGINX, WordPress, and MariaDB containers with secure configurations, demonstrating proficiency in DevOps and system administration.

**Dining Philosophers**

* Solved the classic Dining Philosophers concurrency problem in C using the pthread library, demonstrating a practical understanding of multithreading, mutexes, and deadlock prevention.

## Technical Skills

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**Languages:** TypeScript, JavaScript, Python, C++, Rust, Data Structures & Algorithms

**Frameworks/Libraries:** Node.js, React.js

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

**Other:** C, Lua, NGINX, API Design, Object-Oriented Programming (OOP), Functional Programming, Concurrency

## Achievements

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* Consistently solved algorithmic challenges on LeetCode, demonstrating proficiency in data structures like Tries, Hash Tables, and Linked Lists across C, JavaScript, and Python.
* Completed 6 comprehensive courses on Boot.dev, mastering Python (OOP, Functional Programming), Git, and Linux, solidifying foundational development skills.
* Authored `Character.AI-TS`, a TypeScript API wrapper with over 19 GitHub stars, adopted by other developers for their projects.
* Developed and open-sourced over 20 projects on GitHub, showcasing versatility in languages from TypeScript and Python to C++ and Rust.