**[USER INPUT REQUIRED]**

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 developer with a passion for TypeScript and a proven ability to build robust applications from the ground up. Experienced in a wide range of languages including JavaScript, Python, C++, C, and Rust. Demonstrated expertise in creating complex projects, from low-level C++ web servers and concurrent C applications to sophisticated TypeScript libraries and API wrappers. A dedicated learner, continually expanding skills through platforms like boot.dev and LeetCode.

## Education

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**Software Engineering / Peer-to-Peer Learning** | 42 Network | [USER INPUT REQUIRED]

## Experience

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## Projects

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**WebServer**

* Engineered a high-performance HTTP/1.1 web server from scratch in C++98, featuring non-blocking I/O using epoll, CGI script execution, and TOML-based configuration. This project showcases deep understanding of network protocols and low-level system programming.

**Miku Framework**

* Developed a lightweight, React-like frontend framework from the ground up, implementing a fiber-based reconciliation algorithm for efficient rendering and concurrency. Demonstrates an expert-level grasp of modern frontend architecture and rendering pipelines.

**Komikku**

* Created a type-safe TypeScript library providing a unified interface to fetch manga and manhwa data from multiple online sources. The project emphasizes clean API design, type safety, and efficient data scraping techniques.

**Character.AI-TS**

* Authored and maintained a popular unofficial TypeScript wrapper for the Character.ai API, enabling developers to easily integrate AI chat functionalities into their applications. The project has garnered over 19 stars on GitHub.

**Inception (DevOps)**

* Designed and deployed a multi-service web application environment using Docker. The stack includes NGINX, WordPress, and MariaDB, all containerized and configured for security and performance, demonstrating strong DevOps and system administration skills.

**Dining Philosophers**

* Implemented a solution to the classic Dining Philosophers problem in C using the pthread library, showcasing a solid understanding of concurrency, mutexes, and thread synchronization to prevent deadlocks and race conditions.

## Technical Skills

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**Languages:** TypeScript, JavaScript (ES6+), Python, C++, Rust, HTML/CSS, Data Structures & Algorithms

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

**Tools/Technologies:** Docker, Git & GitHub, Linux/Unix CLI

**Other:** C, Lua, NGINX, MariaDB, Object-Oriented Programming (OOP), Functional Programming, REST APIs, Concurrency & Multithreading, Web Scraping

## Achievements

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* Completed 6 comprehensive courses on Boot.dev, mastering Python (OOP, Functional Programming), Git, and the Linux command line.
* Proved algorithmic problem-solving skills by solving 18+ challenges on LeetCode using JavaScript, Python, and C.
* Applied learning from Boot.dev's 'Build a Bookbot' course to create a Python-based script analyzer, demonstrating rapid application of new skills.
* Maintained 20 public repositories on GitHub, engaging with the open-source community and achieving over 70 followers.