**WEISMANNS**

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

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## SUMMARY

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Detail-oriented and versatile Software Developer with a strong foundation in backend systems, API design, and DevOps practices. Proficient across a wide range of languages including TypeScript, C++, Python, and Rust. Demonstrated expertise in building robust applications, from lightweight C++ web servers to type-safe TypeScript libraries. A proactive and self-motivated learner committed to mastering core computer science principles and modern development tools.

## Education

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**Software Engineering Curriculum** | 42 Network | [USER INPUT REQUIRED]

**Self-Paced Learning Certificates** | Boot.dev | [USER INPUT REQUIRED]

## Experience

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**Software Developer** | Independent & Academic Projects | [USER INPUT REQUIRED: e.g., 2021 - Present]

* Engineered and deployed backend web servers using C++ and containerized full-stack applications with Docker, NGINX, and MariaDB. Developed and maintained robust, type-safe API wrappers and libraries in TypeScript and JavaScript, enhancing developer experience and code reliability. Authored various command-line applications and scripts to automate tasks and perform data analysis.

## Projects

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**C++ Web Server**

* Engineered a lightweight, high-performance HTTP/1.1 web server from scratch in C++98. Implemented epoll-based asynchronous I/O, CGI support, and TOML configuration parsing to demonstrate a deep understanding of networking protocols and low-level system programming.

**Dockerized Multi-Service Architecture (Inception)**

* Designed and orchestrated a multi-container server environment using Docker and Docker Compose. Deployed and secured services including NGINX, WordPress, and MariaDB, ensuring robust communication and data persistence within a containerized ecosystem.

**Komikku**

* Architected a type-safe TypeScript library providing a unified interface for fetching manga/manhwa data from multiple disparate sources, simplifying data aggregation for client applications.

**Dining Philosophers Solution**

* Implemented a deadlock-free solution to the classic Dining Philosophers concurrency problem in C, utilizing the pthread library to manage threads and mutexes, showcasing strong knowledge of multithreading and resource synchronization.

**Character.AI-TS**

* Developed an open-source TypeScript wrapper for the Character.AI API, enabling programmatic interaction and bot development. Garnered community adoption with 19+ stars on GitHub.

## Technical Skills

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

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

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

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

## Achievements

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* Mastered object-oriented and functional programming paradigms in Python through comprehensive coursework.
* Achieved proficiency in Linux system administration, including shell scripting, filesystem management, and advanced command-line tools.
* Completed intensive Git and GitHub training, covering version control workflows from basic branching to complex rebasing.
* Authored multiple open-source packages and libraries with community adoption, reaching a combined 45+ stars on GitHub.