**S. WEISMANN**

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## SUMMARY

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Versatile Full-Stack Developer with strong proficiency in TypeScript, JavaScript, and a range of system-level languages including Python, C, C++, and Rust. Passionate about building robust applications and solving complex problems, from developing intricate system tools and web servers to crafting user-facing APIs and libraries. A dedicated and continuous learner, actively expanding skills through targeted coursework in Object-Oriented and Functional Programming, Linux, and Git, with proven problem-solving abilities demonstrated on platforms like LeetCode.

## Education

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**Software Engineering Program** | 42 School | [USER INPUT REQUIRED]

## Experience

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## Projects

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**WebServer**

* Engineered a lightweight, high-performance HTTP/1.1 web server from scratch in C++98. Features asynchronous I/O using epoll for handling concurrent connections, CGI support for dynamic content, and flexible TOML-based configuration.

**Komikku**

* Developed a type-safe TypeScript library providing a unified API interface for fetching manga and manhwa data from various online sources, streamlining data aggregation for developers.

**Character.AI-TS**

* Created a popular unofficial TypeScript/JavaScript wrapper for the character.ai API, enabling programmatic interaction with AI characters. The project has gained community traction with over 19 stars on GitHub.

**Inception**

* Designed and implemented a multi-service web application infrastructure using Docker and Docker Compose. Deployed and networked services including NGINX, WordPress, and MariaDB, with a focus on security and best practices.

**Dining Philosophers**

* Implemented a C-based solution to the classic concurrency problem, The Dining Philosophers, utilizing the pthread library to manage threads and mutexes, preventing deadlocks and resource starvation.

## Technical Skills

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

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

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

**Other:** C, Lua, NGINX, REST APIs, Data Structures, System Programming, Object-Oriented Programming (OOP)

## Achievements

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* Creator of 'Character.AI-TS', a popular TypeScript API wrapper with 19+ stars and 4+ forks on GitHub.
* Demonstrated proficiency in algorithms and data structures by solving 18+ problems on LeetCode across Easy and Intermediate difficulties using JavaScript, Python, and C.
* Completed 6 comprehensive courses on boot.dev, mastering Python (Fundamentals, OOP, Functional), Git version control, and core Linux command-line skills.
* Authored 'Genshin-Achievement-Maker', a creative JavaScript package for programmatic image generation, garnering 16+ stars on GitHub.