ZAKARIA RABHI

Junior Software Engineer

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Detail-oriented and highly motivated Junior Software Engineer with a solid foundation in web development, system administration, OOP / Imperative programming, and algorithms. Seeking opportunities to leverage my comprehensive skill set and contribute to innovative projects while continuously enhancing my expertise.

PROJECTS

ft _ transcendence, *Online Multiplayer Gaming Platform* 🔗
- Leveraged full-stack skills (TypeScript / NextJS / TailwindCSS / NestJS / PostgreSQL / Prisma/PostgreSQL) to create an engaging gaming platform with real-time chat.
- Fostered teamwork and problem-solving abilities in a collaborative environment.

ft _ irc, *INTERNET RELAY CHAT Server* 🔗
- Developed a custom IRC server, showcasing advanced network programming and system design skills in C++.
- Implemented essential IRC server functions, such as authentication, nickname setting, and channel-based messaging based on IRC Client (LimeChat).

Minishell, *Re-coded small shell based on zsh* 🔗
- Constructed a shell interpreter from scratch using minimal system calls.
- Implemented core functionalities, including reading command lines, parsing, and executing commands.

Inception, *Visualizing Docker Images* 🔗
- Utilized Docker Compose for orchestrated service deployment.
- Developed individual Dockerfiles and a Makefile for efficient image creation.
- Established Docker network for seamless container communication.

ft _ containers, *STL Container Reconstruction* 🔗
- Re-implemented map, vector, stack, and set containers in the ft container project, deepening understanding of C++ data structures.
- Engaged in reconstructing essential functions within the C++ STL, gaining practical experience and strengthening proficiency in container implementations.

Born2beroot, *Secure System Administration* 🔗
- Demonstrated Linux system administration and security skills through born2beroot project.
- Configured secure virtual machine environment.
- Managed users, set up networks, and implemented firewall protection.
- Strengthened understanding of server management and security best practices.

SKILLS

JavaScript / Typescript	ReactJS/NextJS	NodeJS/NestJS	Prisma/TypeORM	OOP
Linux/Bash Scripting	MariaDB/PosgreSQL	System Administration	C/C++	Docker
Git (Version Control)	CSS/Tailwind CSS			

EDUCATION

2021 – present Khouribga, Morocco	**SOFTWARE ARCHITECT,** *1337 (UM6P)*
2020 Khouribga, Morocco	**High School Diploma,** *Oussama Bnou Zaid*