Radouane Iben-hamou

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Skills

Programming Language: Python, JS/TS, Java, C, C++, Rust

Frontend: ReactJs, NextJs, Angular, Tailwind CSS

Backend: Django, DRF, Nest.js, Restful, PostgreSQL, MongoDB

Tools: Git, Docker, Docker Compose, Bash, SSH

Education

1337 Coding School, Computer Science   Oct 2022 – Aug 2024
- Unix, Algorithms, OOP, Web dev, Network and system administration, Group, and interpersonal

Projects

GHOST PADDLE   2024

- Develop a full-stack web application using NextJs, Django REST Framework, and Django Channels
- Implemented real-time Ping Pong game-play for two and 8 players in tournament mode
- Integrated user authentication with JWT and 2FA for enhanced security
- User profiles, dashboard, and Friend management system
- Designed responsive UI with Tailwind CSS
- Ensured secure communication via HTTPS

IRC SERVER   2023

- Implemented core IRC commands and protocols
- Engineered for high concurrency, supporting more than 200 simultaneous clients
- Utilized I/O multiplexing for efficient network communication
- Implemented user authentication and channel management
- Ensured compliance with IRC RFC standards
- Optimized for scalability and low-latency performance

3D GAME: GOD OF WAR EDITION   2023

- Implemented raycasting rendering technology for 3D visuals
- Created custom texture system for walls
- Optimized performance for smooth game-play at 60 fps

Mini-Shell   2023

- Developed a Unix shell in C, implementing core functionalities including command execution, piping, I/O redirection, and environment variable handling
- Utilized system calls and low-level programming techniques to manage processes, file descriptors