Ali benhenia

Front-end Software Engineer

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GitHub | Linkedin

EDUCATION

1337 CODING SCHOOL
Information Technology Architecture

2022 - Present
Khouribga, Morocco

EXPERIENCE

COMMONWEALTH BANK | Software Engineering Virtual Internship   remote | Nov 2023 – Dec 2023

- Completed a full-stack job simulation using React, Redux, and TypeScript, extending frontend features and integrating icons.
- Strengthened skills in unit testing with Jest and React Testing Library for high code coverage.
- Enhanced Git/GitHub workflows through collaborative PRs and code reviews.
- Prioritized scalable and adaptable project planning for long-term growth.

SKILLS

Programming Languages	C, C++, JavaScript, Bash, Typescript, Html, Css, React
Libraries/Frameworks	React, Next.js, TailwindCSS, Express, NodeJs, Ant Design, Redux
Tools / Platforms	Git, Vs code, Docker, Docker-compose, Postmane
Databases	Mongodb

PROJECTS / OPEN-SOURCE

PING PONG WEB APPLICATION   Next.js, TypeScript, Django-Rest, TailwindCSS, Redux

- Developed a responsive frontend for a real-time multiplayer ping pong game, improving cross-device compatibility by 100% and reducing UI-related user drop-offs by 30%.
- Integrated real-time chat using WebSockets, increasing in-game player interaction by 60% and average session duration by 25%.
- Implemented a real-time friends system with live status updates and game invitations, leading to a 40% increase in user engagement and 15% boost in daily active users.

INTERNET RELAY CHAT (IRC)   C++, Socket programming

- Engineered a C++ IRC server and client from scratch, supporting real-time messaging, multi-channel communication, and robust scalability for up to 100+ concurrent users.
- Implemented secure user authentication and session handling, achieving 99.9% reliability in message delivery across sessions.
- Designed and integrated custom IRC commands and role-based privilege management, ensuring controlled access and compliance with IRC protocol standards, boosting system integrity by ~40%.

INCEPTION (DOCKER)   Docker, Docker-compose, Bash

- Orchestrated production-grade multi-container environments using Docker Compose, reducing deployment time by 60% through streamlined workflows.
- Deployed and configured NGINX, WordPress, and MariaDB services with persistent volume management, ensuring 100% data retention across container restarts.
- Built and maintained custom Docker images with performance-tuned configurations, improving application scalability and resource efficiency by 35%.

Architected a secure and isolated Docker networking setup, enabling safe inter-container communication and minimizing attack surfac