

ISRAA CHAABI

Full-Stack Developer

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PROFESSIONAL SUMMARY

Results-driven Full-Stack Developer with hands-on experience building scalable web applications using React, Node.js, and PostgreSQL. Strong foundation in RESTful API development, containerization with Docker, and agile methodologies. Proven ability to deliver end-to-end solutions from database design to responsive user interfaces.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C, C++, SQL, HTML, CSS

Frontend: React.js, Next.js, Tailwind CSS, Responsive Design

Backend: Node.js, Express.js, REST API Development, Authentication

Databases: PostgreSQL, MongoDB, MySQL, Database Design & Optimization

DevOps/Tools: Docker, Docker Compose, Git, GitHub, Linux, NGINX, CI/CD

PROJECT EXPERIENCE

Full-Stack Web Application (ft_transcendence) | React, Node.js, PostgreSQL, REST API

- Architected and developed user profile management system with full CRUD functionality
- Designed and implemented RESTful APIs using Node.js and Express, integrated with PostgreSQL
- Implemented security features including authentication, input validation, and vulnerability protection

Unix Shell Implementation (Minishell) | C, Unix System Calls, Process Management

- Built a Unix shell replica in C with command execution, built-ins (cd, echo, export, env, exit), and signal handling
- Implemented I/O redirection system supporting <, >, >>, and heredoc (<<) operators
- Managed process creation and inter-process communication for pipeline execution

Dining Philosophers Problem (Philosophers) | C, Multithreading, Synchronization

- Implemented the classic dining philosophers problem using multithreading and mutex locks
- Designed deadlock prevention mechanisms and synchronized resource sharing between threads
- Managed thread lifecycle and precise timing control to prevent race conditions and starvation

Containerized Infrastructure (Inception) | Docker, Docker Compose, NGINX, Linux

- Designed and deployed multi-service architecture using Docker and Docker Compose
- Configured NGINX reverse proxy, database services, and application containers with optimized networking

Real-Time Chat Server (ft_irc) | C++, TCP/IP, Socket Programming

- Built scalable server handling concurrent connections with multi-client channel management over TCP sockets

EDUCATION

Software Engineering Program | 1337 School (42 Network) | 2023 – Present

Intensive peer-to-peer program focused on systems programming, algorithms, data structures, and full-stack development

Baccalaureate in Physics & Chemistry | La Palmeraie Schools | 2022

LANGUAGES & ADDITIONAL SKILLS

Languages: Arabic (Native), French (Fluent), English (Fluent)

Core Competencies: Problem-Solving, Agile Development, Team Collaboration, Fast Learner, Adaptability, Code Review