



RIDA EL FAGROUCH

Casablanca, Morocco

☎ +212 681225777 ✉ elfagrouchrida21@gmail.com **in** [linkedin.com/in/rida-el-fagrouch/](https://www.linkedin.com/in/rida-el-fagrouch/)  github.com/ridaelfagrouch
 ridaelfagrouch.com

Profile

- I am an enthusiastic developer passionate about solving complex problems and learning new technologies. I am highly motivated to grow and expand my programming skills.

Education

School 1337 (42 Network)

Student in Computer Engineering

2021 – Ongoing

Khouribga, Morocco

University of Sciences

Bachelor's Degree in Physics-Chemistry Science, Mechanical-Energetic

2019 – 2020

Rabat, Morocco

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Web Development
- Computer Architecture
- Software Methodology
- Database Management
- Mobile Development

Experience

Gear9 Company

Software Engineer Intern

January 2024 – Ongoing

Casablanca, Morocco

- Designed and developed cutting-edge mobile applications for various clients.
- Collaborated with cross-functional teams to deliver innovative web and mobile solutions.

Atikia Company

Mobile Developer Intern

March 2023 – July 2023

Remote, Morocco

- Crafted cross-platform mobile applications using React Native.
- Integrated backend services with Express/Node.js and managed data with Prisma/PostgreSQL.
- Enhanced app functionalities with third-party APIs and ensured code quality using TypeScript.

Projects

Minishell | *Unix shell project creating a simple shell similar to bash using C*

- Developed Unix shell in C with features like redirections, pipes, prompts, history, and signals.

Philosophers | *Simulation of the dining philosophers problem using C*

- Implemented a scalable, multi-threaded simulation. Ensured thread safety and synchronization with mutexes.

Cub3D | *RayCaster project creating a 3D graphical imitation of Wolfenstein 3D in C*

- Constructed a realistic 3D maze using Ray-Casting, incorporating textured walls and efficient rendering algorithms.

Webserv (HTTP Server) | *C++*

- Engineered a high-performance custom HTTP server in C++, enhancing request-response cycles and error handling.

Todos Mobile App | *JavaScript, React-Native, ExpressJs, MySQL*

- Developed a full-stack Todos app featuring CRUD operations and real-time updates.

Inception | *Docker, WordPress, MariaDB, HTML, CSS, JavaScript*

- Leveraged Docker for efficient system management and deployment.

Ft-transcendence | *TypeScript, Tailwind, NextJS, NestJS, Prisma, PostgreSQL, Docker*

- Created an interactive online gaming platform with real-time chat integration, employing SPA design principles.

Portfolio | *ReactJS, JavaScript, Tailwind, CSS*

- Built a modern and dynamic portfolio using React.js, Tailwind CSS, and JavaScript.

Languages

Arabic: Native proficiency

English: Conversational proficiency

French: Conversational proficiency

Technical Skills

Languages: C, C++, HTML/CSS, JavaScript, TypeScript, Bash

Developer Tools: VS Code, Webstorm

Frontend: ReactJS, React-Native, NextJS, styled-components (NativeBase, Chakra, Antd), tailwind, Redux, RTK-Query, Trpc

Backend: NestJS, ExpressJs, NodeJS

Database: PostgreSQL, Sql-server, ORM-Prisma

Technologies/Frameworks: Linux, Git, GitHub, Agile, Scrum, Jira, Bitbucket, Jest

Soft Skills: Teamwork, Autonomous, Analytical Thinking, Punctuality, Time Management