



BELARIF ACHRAF

I'm a Software Engineering Student at [1337](#)

Computers have always been my passion, and that's why I decided to join 1337. This a school based on peer-to-peer learning and self-education, methods with which I identify myself and that I used in other important aspects of my life. My goal now is to advance as a professional in the field by being part of a team where I can dedicate and contribute with my high motivation and work ethic.

📍 Casablanca, Morocco

☎ +212 682-709764

✉ achraf.belarif@aol.com

🌐 belarif.me | [github](#) | [linkedin](#)

PERSONAL PROJECTS

Multiplayer Pong

[Source Code](#)

- Pong game: Real-time multiplayer, Matchmaking system, Game customization, Live stream.
- Login: Authentication using the OAuth system of [42-Intranet](#). And 2FA Security Layer.
- User Account: Real-time user status(online, offline, in game), Relations(Add/Block/Unfriend), and Statistics.
- Chat: Real-time chat(DMs, Group Channels), Restriction system, Users permission, ...
- Technologies: NestJS - TypeScript - React - Docker - PostgreSQL.

Webserv

[Source Code](#)

- This project is about writing a non-blocking HTTP server in C++98 following the [RFC2616](#).
- A configuration file specifies: ports, server_names, Limit client body size, routes, and CGI, ...
- Support chunked transfer encoding.
- Support PHP/Python CGI.

Ft_containers

[Source Code](#)

- Implementation of some container types in the C++98 standard template library (Vector/Stack/Map) including an AVL Tree following the Technical specifications.

Minishell

[Source Code](#)

- This project is about implementing a personal shell in C that mimics BASH behavior.
- Parsing: Separation command line by '|', Quoting rules, Expand env variables, error parsing.
- Builtin: 'env', 'export', 'unset', 'pwd', 'cd', 'exit'.
- Redirection: Input/Output redirection '<'/>', Appending Redirected '>>', Here Documents '<<'
- Execution: Execute Builtin commands. Commands with absolute/relative path. and commands based on a 'PATH' environment variable.

Ft_services

[Source Code](#)

- This project consists of clustering Docker applications and deploying them with Kubernetes.
- The application runs multiple services: MetalB, Grafana, WordPress, Nginx, PhpMyAdmin, FTPS, InfluxDB, and MySQL.

SKILLS

- Network & System Administration : 7.28/10
- Imperative Programming : 4.65/10
- Web: 7.32/10
- Object-oriented Programming : 6.08/10
- Algorithms & AI : 6.41/10
- Unix : 4.39/10
- Graphics : 2.78/10
- Group & Interpersonal : 8.01/10
- Rigor : 7.65/10

LANGUAGES AND TECHNOLOGIES

- C/C++, JavaScript, ShellScript, TypeScript, SQL.
- Docker, Docker-compose, GIT, Kubernetes, NestJS, NodeJS, PostgreSQL, Prisma ...
- Arabic, English, French.

EDUCATION

Software Engineering

1337 Benguerir - Coding School | Sep 2019 - present

- Learned about algorithms, network protocols, memory management & data structures.

Integrated Preparatory Cycle

National School of Applied Sciences - Safi | Sep 2018 - Dec 2020

- Studied fundamentals of algebra, calculus, physics, and mechanics ...