

Walid Belfatmi

📍 Casablanca, Morocco ✉ walidbelfatmi.dev@gmail.com ☎ +212 6 61 25 80 31 🔗 walidbelfatmi.tech

Experience

Software Engineer Intern

Remote

Astren Empower

Apr 2023 – Jul 2023

- Developed a responsive portfolio website to showcase the company's services
- Contributed to developing the company's main web application
- I had the chance to practice full stack development using React.js, Express.js, Node.js and MongoDB

Education

1337 Coding School

2023 – present

Software Development

ENCG Settat

2019 – 2023

BBA Finance and Accounting

Projects

Pawtograph

[code](#) [live](#)

- Created a social media app for pet owners. Users can create accounts for their pets, sharing their photos and moments with other pet owners
- integrated real-time notifications and messaging features through Pusher
- Tools Used: Next.js, TypeScript, Prisma, Redux, Tailwind CSS, AWS S3

Webserv

[code](#)

- Developed a custom HTTP server built from scratch in C++98, designed to function similarly to Nginx
- Served multiple clients concurrently using IO multiplexing (tested more than 10.000 concurrent users)
- Handled GET, POST and DELETE methods
- Made it able to serve static files, video streaming and directory listing, as well as file upload and deletion
- Created a configuration parsing similar to Nginx
- Added possibility to execute CGI scripts of any extension, handled python and php scripts by default
- Tools Used: C++

Note it

[code](#) [live](#)

- Created a note taking web app that is similar to Google Keep. Users can create, delete and edit their notes
- Managed user authentication using JWT
- Practiced managing global state using React hooks such as useContext and useReducer
- Tools Used: React, Typescript, Tailwind CSS, Node.js, Express.js, MongoDB, Cloudinary

Minishell

[code](#)

- Developed a custom shell environment in C that mimicked Bash functionality
- handled basic shell operations like displaying a prompt, executing commands, managing history
- implemented input/output redirection, piping, signals, logical operators (&&, ||) and * wildcard expansion
- Tools Used: C

Technologies

Languages: JavaScript, TypeScript, Python, C++, C, Java, SQL

Frameworks: React.js, Next.js, Spring Boot, Express.js, Tailwind CSS

Technologies: Node.js, MongoDB, AWS, Git, Prisma