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Projects

Snipshare: (Sep 2022 - Dec 2022) - [Live Preview](#) | [Source Code](#)

A code snippets sharing application for developers. It features:

- Code editor for editing the snippet on the app.
- Notifications system with the help of **SSE** (a server push technology).
- **Oauth 2.0** (manually) for login with a google account.
- Users can Authorize other users to their snippets.
- Incremental search functionality for efficient snippet retrieval.

Algolizer: (Feb 2023 - Mar 2023) - [Live Preview](#) | [Source Code](#)

An algorithm visualization tool to help demonstrate how algorithms work. Key aspects include:

- Highlights differences in **Big-O** notations using charts (**React-Chartjs 2**).
- Demonstrates how Big-O notation is not an accurate representation.

SmartTeam: (Jan 2023 - May 2023) - [Live Preview](#) | [Source Code](#)

A team management app where users can manage projects. Some features are:

- Helps managing tasks within projects within portfolios of projects.
- Users can Authorize other users to their projects, tasks, etc.
- User can use google and Github for **Oauth 2.0** authentication.
- Secure authentication using **JWT**.
- Email verification upon account creation using **Nodemailer**.
- Users can assign other users to manage a specific task or project.

Skills

- **Front-End:** HTML, CSS, Sass, Tailwind, JavaScript, TypeScript, ReactJS
- **Back-End:** Node.js, Express.js, MySQL, REST
- **Miscellaneous:** Git, npm, Webpack, Vite, Linux, Vim, VS Code
- **Low Proficiency:** Astrojs, Docker, AWS EC2

Education

Self-Learning (May 2022 - currently)

- Strengthened my proficiency in HTML, CSS and JS using resources like MDN, W3Schools.
- Acquired some abstractions for easier front-end development: Reactjs, Tailwind, etc.
- Read 2 introductory books about algorithms and data structures.
- Broadened my knowledge to Back-end, specifically: Node.js, Express.js and MySQL
- Acquired proficiency in utilizing Git and Github for streamlined debugging and code sharing.

Bac+2 - Development Informatique (2019 - 2021) - ISTA Marrakech SIBA

- Practiced writing and optimizing C/C++ algorithms.
- Acquired a shallow understanding of SQL Server, HTML, CSS and JS.
- Built a "Fin De Formation" project in collaboration with classmates, which taught me some communication skills.

Languages

Arabic: fluent | **English:** Intermediate | **French:** Basic