

Mohamed Shrief

Junior Software Engineer (Backend - Frontend)

Portfolio: m-shrief.tech
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Skills

- JavaScript and TypeScript
- Nodejs and Express.js
- Postgres, MongoDB and Redis
- HTML, CSS and SCSS
- Vuejs and its' ecosystem (like Pinia and VueRouter)
- Vite, Vitest and Cypress
- Astro

Projects

“Adeeb أديب” (personal project):

It's concerned with Arabic literature. It assumes a business model that enable customers to order a print of Arabic literature in specific customization, and follow up the process. It provides better experience for partners to make bulk orders fast and easy.

My Role: Frontend and Backend development, it have 2 versions:

- “Adeeb أديب ” SSR with a Node REST API
([Live demo](#)- [Frontend's repo](#) – [Backend's repo](#))
 - Tech stack:
 - TypeScript with HTML and SCSS
 - Astro and Vuejs
 - Nodejs and Express.js
 - Postgres and TypeORM with Redis
 - Characteristics:
 - Full mark on [google's lighthouse](#), and [PageSpeed insights](#).
 - JWT authentication and authorization.
 - Data validation with Vee-Validate and Yup.
 - Dark/Light Theme.
 - Component testing with Vitest, API tests with Mocha and Chai.
 - Sentry for monitoring errors and performance, and using PM2 for process management.

- Deployment:
 - Frontend deployed on Digital ocean server, on Ubuntu, with Astro's node adapter and Nginx and PM2.
 - Backend deployed on Digital ocean server, on Ubuntu, with Nginx and PM2, databases (Postgres and Redis) managed on the same server.
 - Managing Domains, DNS, SSL, CDNs and on with CloudFlare.
- **“Adeeb أديب ” SPA with a Node REST API**
 ([Frontend's repo](#) – [Backend's repo](#))
 - Tech stack:
 - TypeScript with HTML and SCSS
 - Vuejs, Pinia and VueRouter
 - Nodejs and Express.js
 - MongoDB and Redis
 - Characteristics:
 - JWT authentication and authorization.
 - Data validation with Vee-Validate and Yup.
 - Dark/Light Theme.
 - Component testing with Cypress, API tests with Mocha and Chai.
 - Using PM2 for process management.

Learning and Courses

- **CMU**, Intro to Database Systems (2022)
- **Redis University**, Introduction to Redis Data Structures ([certificate](#))
- **IBM**, Introduction to DevOps
- **IBM**, Introduction to Cloud Computing.