

# Mohamed Shrief

## Junior Software Engineer (Backend - Frontend)

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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
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## Projects

### “Adeeb أدیب” (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 أدیب ” 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.
    - Regression and Component testing with Vitest.

- Sentry for monitoring errors and performance, and using PM2 for process management.
- Github actions for testing
- 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.
    - Regression and Component testing with Vitest and Cypress.
    - Using PM2 for process management.
    - Github actions for testing

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## 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.