Mohamed Ahmed

Software Engineer

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◇ Mohamed00674 ◇ Portfolio

SUMMARY

Software Engineer with over 2 years of experience in full-stack web development using Angular and NestJS. Experienced in building scalable and maintainable applications with a monorepo architecture powered by Turborepo. Comfortable working with Docker and NGINX for containerization and deployment. Focused on writing clean, efficient code and collaborating within agile teams to deliver high-quality software.

SKILLS

Frontend Development :   Angular, TypeScript, JavaScript, HTML, CSS, Responsive Design
Backend Development :   Node.js, Nest.js, REST APIs
DevOps & Deployment :   Docker, Nginx
Databases :   PostgreSQL, MongoDB, MySQL
Version Control :   Git
Languages :   English, French, Arabic

WORK EXPERIENCE

Software Engineer   Mar '25 — Present
Affi Biotech   Gammarth, Tunisia

- Developed a full-stack eCommerce platform showcasing over **7 million biological research products** for scientific laboratories. Built the application using **Nuxt 3 with TypeScript**, covering both frontend and backend (Server API).
- Integrated **WordPress** as a headless CMS to manage and fetch large-scale product data. Implemented **Elasticsearch** for fast, accurate, and scalable product search across millions of items.
- Designed a **Redis-based caching system** to reduce API response times and handle high traffic efficiently.
- Built a high-performance eCommerce web application using **Angular Universal** for server-side rendering (SSR) to improve SEO and page load speed.
- Implemented a **NestJS backend service** to synchronize products data from **Elasticsearch**, ensuring fast and accurate search results across millions of products.
- Managed the monorepo architecture with **Turborepo** to streamline development, code sharing, and CI/CD pipelines.

Software Engineer   Jul '23 — Nov '24
Timelapse Agency   Tunisia, Tunisia

- Developed an e-commerce web application that facilitates online buying and selling of products .It aims to provide a user-friendly and secure platform for customers to browse, search, and purchase items using Next Js.
- Gaining a valuable experience in Static Site Generation (SSG), Server Side Rendering (SSR) , Incremental Static Regeneration (ISR), Client Side Rendering and Search engine optimization.

Software   Jan '22 — Jun '22
NEXT CONSULT   Tunisia, Tunisia

- Developed a web application to help individuals or organizations manage their social media presence across multiple platforms such as Facebook, Twitter, Instagram, LinkedIn, and more.
- Every user can login with his social media account and planify a post and publish it to any social media account that logged in.
- Gaining valuable experience in API integration

Frontend Developer   Jan '21 — Feb '21
Octopus Plus   Tunisia, Tunisia

- Developed a mobile application designed to help individuals or organizations to manage their expenses. The application typically involves creating a centralized platform that allows users to track their expenses, categorize them.
- Using Android Studio and implemented the backend with Firebase. Collaborated with a team to deliver a high-quality product on time, gaining valuable experience in mobile app development.

Intern   Jan '19 — Feb '19
The Military Hospital of Tunis   Tunisia, Tunisia

- Learned and practiced the process of connecting two or more computer systems together to allow them to communicate and share resources. And learned a variety of technologies and protocols, such as wired and wireless connections, Ethernet, TCP/IP, and Wi-Fi

PROJECTS

Restaurant delivery system Link

- Developed a web application to facilitate the process of ordering food online and delivering it to customers.
- The system typically involves a user-friendly interface that allows customers to browse menus, select dishes and customize orders using Vue.js and Vuex.

Movie Application Link
- Developed a web application that allows users to search and get more details about popular movies.
- The application has a user-friendly interface and is easy to understand using React.js and OMDB API.

Chatbot Link
- Developed a chatbot application that allows users to interact with a user-friendly and interactive platform.
- Users can engage with an intelligent chatbot to seek assistance, information, or conduct various tasks seamlessly.
- Using MERN stack with TypeScript.

EDUCATION

Bachelor's Degree, Information Technology, Higher Institute of Technological Studies of Rades
Sep '18 — Jun '23
Tunisia

High School Diploma, C, Rue El Attarine Ariana
Sep '14 — Jun '18
Tunisia

CERTIFICATIONS

B2 English, Amideast
Jun '21