MOHAMED NACEUR MABROUK

SOFTWARE ENGINEER

DETAILS

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Berlin
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LINKS

Portfolio

Github

LinkedIn

SKILLS

JavaScript / Typescript
● ● ● ● ○

C# .NET
● ● ● ○ ○

PHP
● ● ● ○ ○

Docker
● ● ● ● ○

Git
● ● ● ● ○

NoSQL / SQL
● ● ● ● ○

LANGUAGES

English
● ● ● ● ○

French
● ● ● ● ○

German
● ○ ○ ○ ○

Arabic
● ● ● ● ●

PROFILE

Innovative and results-driven Full Stack Software Engineer with extensive experience in developing scalable, high-performance web solutions. Expertise in both front-end and back-end technologies with a proven track record in delivering complex applications that meet client requirements and enhance user experiences.

When not coding, I enjoys reading & watching conferences about new technologies.

Starting a career in tech as a software engineer is an exciting choice for me because it allows me to channel my passion for problem-solving into creating impactful, innovative solutions.

CORE & PERSONAL SKILLS

Core Skills

- **Languages & Frameworks**: JavaScript (NodeJs, ReactJs), TypeScript (NestJS, NextJs), Spring Boot (Java), C# .NET (ASP/Core), PHP (Symfony,Yii)
- **DevOps & Tools**: Docker, Git, Webpack/Rollup, Jenkins, Ansible
- **Databases**: SQL (Postgres), NoSQL (MongoDB)
- **Monitoring**: Prometheus, Grafana, Elastick Stack

Personal Skills

- Proficient in JavaScript frameworks with strong coding and debugging capabilities.
- Experienced in using modern source control systems (Git).
- Adaptive and eager to learn new technologies, thriving in challenging environments.

EMPLOYMENT HISTORY

Technical Lead & Full-Stack Developer, Independent Consultancy Platform Project   Berlin

Aug 2023 — Present

- **Project Overview**: Developed a comprehensive consultancy platform for students aiming to study in Germany, enabling streamlined application submission, appointment booking, and progress tracking.
- **Platform Composition**:**Web Application**: Built with Next.js, providing students a seamless interface for submitting personal information, uploading documents, and tracking their application status.
  Mobile Applications: Developed with React Native for both iOS and Android, offering a user-friendly experience for students on the go.
  Admin Dashboard: Created a separate Next.js-based dashboard to allow administrators to manage applications, appointments, and user interactions efficiently.
  Backend Infrastructure: Powered by Supabase, ensuring a scalable, secure, and real-time backend solution.

- **Key Features Implemented**:Integrated **Calendly** for online appointment scheduling, offering flexibility in agent-student interactions.
Developed real-time updates for tracking application progress and agent feedback.
Ensured secure handling and storage of sensitive documents using Supabase's authentication and database services.
Deployed CI/CD pipelines for seamless updates across web and mobile platforms.
- **Achievements**:Delivered a highly efficient and scalable platform that improved the application process for international students.
Increased engagement and user satisfaction through intuitive design and real-time application tracking.
Led end-to-end project execution, managing both development and deployment phases.

- Google Play
- App Store
- Web Site

Software engineer, Flexperto Gmbh   Germany, Berlin
Apr 2021 — Aug 2023

Flexperto is a German startup powered by RGI, that provides 4 main products:

1. Online Meeting
2. E-signature
3. Scheduling & Calendar
4. Recording & Archiving

During my career with Flexperto, I learned many things and achieved many tasks such as:

- Developed and maintained an archiving microservice using Moleculer.js, automating file aggregation and S3 uploads.
- Developed and maintained microfrontends based on react using a shared ui library
- Enhanced system monitoring by integrating Prometheus with Grafana dashboards for real-time insights.
- Created advanced MongoDB aggregation queries for BI dashboards and alerts using Redash.
- Implemented automated Slack alerts based on Kibana logs for enhanced operational awareness.
- Led subscription management via Recurly, ensuring seamless internal database synchronization.
- Supported deployment processes with Docker, Jenkins pipelines, and Ansible playbooks.
- Provided technical leadership in on-boarding and project management, including epic and task creation.
- Investigated and resolved critical customer-reported issues to maintain service quality.

In addition to that, some project management tasks such as creating epics and tasks. also team management tasks like on-boarding people to projects.Daily bases in Flexperto I check the reported bugs/errors by customers and investigated the cause then I provide a fix or an explanation if that was expected.

Full-Stack Developer, Ryde Gmbh (KODAKOne)   Germany, Berlin
Dec 2018 — Mar 2021

With Ryde, I participate in the KODAKOne project which basically a platform for image licensing.

Therefore I achieved different tasks such as:

- Built microservices and APIs using Node.js and Spring Boot, integrating OAuth with Keycloak.
- Developed front-end applications in React, utilizing route-based code splitting and functional components.
- Designed a reusable React component library with Rollup.js for web applications.
- Implemented secure online payment flows via Stripe and PayPal.
- Monitored Docker containers and CI/CD pipelines with GitLab, optimizing deployment processes.
- Contributed to comprehensive system documentation on KODAKOne Confluence.
- Designed an ElasticSearch-MongoDB connector, improving data synchronization.

Software Developer, FlyCom   Tunisia
Jun 2017 — Oct 2018

With Flycom, which is a Tunisian startup, I was one of the main engineers of the platform BibDoctor where a sick person can schedule an appointment with a desired doctor.

In this project, I achieved many tasks I'll list some of them:

- Spearheaded development of BibDoctor, a healthcare platform, using Angular and Symfony4.
- Built a desktop application with Electron and real-time chat solutions using Sails.js and Socket.IO.
- Designed mobile interfaces in Ionic, enhancing user accessibility.
- Conducted web scraping for healthcare data aggregation, enhancing platform usability.
- Played a key role in a startup environment, managing diverse responsibilities across development and operations.

In addition to that working in an early-age startup with a small size team was a great opportunity for me to take responsibility for many features of the product.

Developer (half time), ISP   Tunisia
Jan 2017 — Jun 2017

In ISP startup, I had the chance to see how we migrate or rewrite a CRM.Because of some limitations and a lack of documentation in CodeIgniter, the team decided to rewrite a 4-year-old CRM of a client using Symfony4.Within this project, I also wrote SQL scripts for data migration and transfer.

For a different customer, I was the main developer of his web application using Angular4. In this project, I learned how I communicate with a customer, deliver features, and put deadlines

- Led CRM migration from CodeIgniter to Symfony4, improving system scalability and documentation.
- Authored SQL scripts for seamless data migration.
- Developed a web application in Angular4, collaborating closely with clients to meet project deadlines.

EDUCATION

Software engineer, ESPRIT   Tunisia

Dec 2014 — Jun 2017

The core engineering curriculum at ESPRIT provides a solid foundation in engineering principles and concepts. This includes courses in subjects such as physics, calculus, chemistry, materials science, computer programming, circuit theory, mechanics, thermodynamics, and engineering design. These courses lay the groundwork.

In addition to that, we learned at ESPRIT, teamwork in a scrum environment by building projects and participating in groups on national and international challenges such as Imagine Cup

Computer science bachelor , ESTI   Tunis

Jan 2011 — Jul 2014

The curriculum includes core computer science courses that cover essential topics such as programming, algorithms, data structures, computer organization, operating systems, databases, and software engineering. These courses lay the foundation for understanding the principles and concepts that underpin computer science.