

Skender Lahdhiri

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Full-stack software engineer with professional experience building and deploying web and mobile applications. Engineering degree in software design and architecture from the university of Sousse. Hard worker, with good analytical and agile thinking. Eager to tackle more complex problems and continue to find ways to maximize user efficiency. I dream big, work hard and get things done.

Experience

Front End Software Engineer — *Instingo* • Sousse

06/2021 - Present

- Used **React**, **Ant Design**, **LESS** and **Typescript** to create a multilingual (**i18next**) user experience for the gamification of the challenge platform, with a route-based code splitting (**loadable**) to speed up page load, while monitoring it with **Sentry**.
- Prototyped and built a client side application using **Flutter**, **Firebase (Cloud Messaging)**, **Sentry** that connects health applications (Google Fit, Apple Health ...) to collect user health data (Steps, Calories ...) during a challenge period for **Instingo** and integrated a **CI/CD** pipeline with **codemagic**.
- Created a highly customizable multi step survey platform with **Django**, where admins can create multiple types of questions and choose the type of answers allowed.

Full Stack Engineer — *Brainstack (Mentz)* • Sousse

09/2020 - 11/2021

- Assisted in the redesign and development of an old public transport app into a scalable, multi-tenant React web app using **React** and **Typescript** and a translation system with **i18n**.
- Development of highly customizable reusable components using **Antdesign** to meet each client's needs.
- Design and Development of a **WYSIWYG & CMS** module.
- Project responsibilities include development testing, implementation and maintenance.
- Ensure the update of react in these latest versions while refactoring of all class components into functional components (using **hooks**).
- Built a client side trip/ride and ticket search system using **Leaflet** and **OpenStreetMap** for the shop platform.
- Helped create and improve a client library that simplifies consuming endpoints from the backend layers.
- Developed backend microservice in **NodeJS**, **MongoDB**, **Swagger** and **Express** to keep track of the health and status of bluetooth beacons located in multiple stations.
- Assisted multiple student interns in creating new features and modules and organized codereviews to assess their technical skills and help them find solutions.

Full Stack Engineer Intern — *Brainstack (Mentz)* • Sousse

02/2020 - 09/2020

- Designed and modeled a search engine system for creating audio messages used in the audio management system of train stations.
- Developed and fully tested the backend service in **NodeJS**, **MongoDB** and **Apollo GraphQL**.

- Automated the testing, building, containerization and deployment process of the backend and frontend systems with **Jest/Enzyme, Mocha, Docker** and **Docker Compose**.
- Ensured the high availability and trust of the application and the backend service by performing multiple code optimizations.
- Integration and implementation of a beacons tracking system to check the status and availability of the bluetooth beacons, display in real time their logs, status and locations on a multilevel map and link them to trips.

Education

Engineering degree in computer software

Higher Institute of applied science and technology · Sousse

09/2015 - 09/2020

Skills

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> • Node.js • ReactJS • Django • Next.js • Deno | <ul style="list-style-type: none"> • Flutter • Apollo GraphQL • MongoDB • Docker • TypeScript | <ul style="list-style-type: none"> • Firebase • Python • VueJS • Svelte • Prisma |
|---|--|---|

Languages

- | | |
|---|---|
| <ul style="list-style-type: none"> • English (Full professional proficiency) • French (Full professional proficiency) | <ul style="list-style-type: none"> • Spanish (Elementary proficiency) • German (Elementary proficiency) |
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Projects

Baby Steps Quiz — *Github · Play Store*

Fully designed and created a multilingual educational mobile application using **Flutter**.

Lite Morse Trainer — *Github · Play Store*

Prototyped a client side multilingual educational application using **Flutter** that provides a coherent user experience.

Apex Unofficial Companion — *Github · Play Store*

Assisted in the implementation of the core business layer exposed as a **RESTful PHP** API and prototyped a **Flutter** mobile application that makes use of **Flare (Rive)** animations.

Valorant Unofficial Companion — *Github · Play Store*

- Designed and modeled a mobile application with **Flutter, Flare** and **Firebase** (Messaging, Auth, Storage, Analytics and Remote config).
- Developed backend service logic in **Deno, MongoDB, Oak** and architected a JWT/Cookie based authentication and authorization service that guards access to the microservices with **NodeJS, MongoDB, Express** and **Typescript**.
- Prototyped a high performance data visualization web admin dashboard, and a custom components library with **React, Typescript** and **Tailwind**.
- Automated the testing, building and containerization process using **Docker** and **Docker Compose**.