

# BenchaiBa Mohamed Islam

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## SKILLS

**Front-end Development:** HTML, CSS, JavaScript, Tailwind CSS, Bootstrap, React, Typescript, Next.js, Three.js, Three fiber, Framer Motion, GSAP, Context API, Redux.

**Back-end Development:** Node.js, Express.js, Restful API,

**Content Management Systems:** Sanity CMS.

**Databases:** SQL, Firebase, MongoDB.

**Mobile Development:** React Native, Expo ,Reanimated.

**Other:** Machine Learning, Git & GitHub, Docker , Vercel.

**Languages:**Arabic, English, French.

## WORK EXPERIENCE

**Algerie telecom, Batna** Sep 2022

**Network Engineer Intern**

- Accomplished successful troubleshooting and resolution of 3 network issues by assisting network engineers, which led to improved system reliability and operational efficiency.
- Gained insights into telecommunication systems which enhanced my technical understanding of networks.

**DevFest Hackathon, Batna** 24-26 Dec 2021

**Full Stack Web Developer**

- Accomplished 4th place in the DevFest Hackathon by developing a web app called Gaza Lens, which aimed to support Gaza by reporting real news and combating misinformation.
- Implemented features to detect fake news, identify misleading content, and provide detailed statistics, which led to a more transparent understanding of the events happening in Gaza.
- Technologies used: Next.js, Firebase, perplexity API, Gemini API, NLP.

**Soantrach internship, Hassi Messaoud** Feb 2024 - Jul 2024

**Software Engineer**

- Developed and implemented Pipexe, a custom geographic information systems (GIS) software solution for real-time pipeline monitoring and efficient management,
- Enhanced pipeline monitoring efficiency by 30% through the implementation of Pipexe GIS software for Sonatrach, streamlining the management of over 500 km of pipelines and multiple infrastructures in the Hassi Messaoud region.
- Led cross-functional collaboration with Sonatrach's engineers and my multidisciplinary team to integrate advanced inspection management features, reducing operational delays by 40% and ensuring compliance with rigorous industry operational and safety standards.

## EDUCATION

**Higher School of Computer Science (ESI-SBA), Sidi Bel Abbes, Algeria** 2019 - 2024

Master's degree in Computer Science.

Engineering degree in Computer Science.

**Speciality:**Information systems and web.

## PROJECT WORK

- **Pipexe:** is a custom GIS software solution developed for real-time pipeline monitoring and inspection management. Utilizing Next.js, Node.js, Express, MongoDB, Tailwind CSS, and Leaflet, the project features real-time data tracking, interactive maps, and efficient inspection management. The development focused on handling large datasets and maintaining high performance within tight deadlines.
- **stayIn:** is a web application designed for managing apartment allocations and reservations in Algeria. Built using a microservice architecture, it integrates Node.js, React, .NET, Laravel, MySQL, MongoDB, and Algolia to offer a comprehensive and scalable solution for apartment management and booking. The application supports seamless management of apartment listings, reservations, and user interactions, ensuring efficient operations.
- **Eventu:** is a web application developed for efficiently managing conferences and research papers. Utilizing HTML, CSS, JavaScript, MY SQL, and Laravel, it offers a comprehensive platform for organizing conference events, handling paper submissions, and facilitating the review process. The application streamlines the management workflow and enhances user interaction with a well-structured and intuitive interface.