Mohamed Mhamdi

Full-Stack Web Developer

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Summary

A Mechatronics Engineer/Fullstack Web Developer. I graduated from the National school of engineering in Carthage, Tunisia in 2018. After graduating in 2018, I worked for 2 years in my field of expertise which was Mechatronics, however during the previous months I decided to expand my competencies to the web development field and I've earned the title of a fullstack web developer. This was done through a process of self-taught via online courses (Udemy) and then by enrolling in a Fullstack JS bootcamp offered by GoMyCode.

As challenging as it was for me to discover a complex and an ever changing field in just few months, it was an eye opening experience that I benefited from greatly. Originally I wasn't really enthousiastic about programming during my education years but I take pride in this journey which enabled me to not only enlarge my skills and knowledge but also change my whole perception about developing. I am now more passionate than ever about it and as I continue my learning curve I hope to achieve greater heights in this newly found passion.

Education

Web Development Certification (MERN stack)
Oct 2020 - Feb 2021
Go My Code - Sousse

Go My Code is a web development training school (MERN stack). The Full-Stack Javascript program mainly consists of aquiring new technical skills in web development to be able to create a MERN application to be ready for real world company projects. Participate in organized daily stand-up meeting with your team to help future developers improve and sharpen their communication skills as well as their soft skills.

Front-end : HTML / CSS / Bootstrap / JavaScript

Back-end: React.js / Redux / Node.js / Express.js / MongoDB

Mechatronics Engineering Diploma
Sep 2015 - Oct 2018
National School of Engineering Carthage - Tunis

Advanced Command speciallty

Software mastered during my studies : Mechanical CAD (CATIA, Solidworks),Labview, Step 7, Matlab, Programming (C, VHDL)

Realised projects :

- Design and production of a robot for collecting objects with an Arduino card.

- DSP embedded systems project which consists in displaying the time in hours/minutes/seconds format on a LCD display by a sTM32F4 card.

- CATIA project : Technical study and design of a clamping vice.

- Member of Enicarthage robotics club

Preparatory School for Engineering
Sep 2013 - Jun 2015
Ecole Supérieure des Sciences et de la Technologie - Hammam Sousse

Physics - Chemistry specialty (PC)

Baccalauréat Diploma
Sep 2009 - Jun 2013
Lycée de Garçons - Sousse

Mathematics section

Skills

HTML/CSS/JavaScript

ReactJs/Redux

Node JS

Express.js/Mongoose

MongoDB/MySQL

Programmation C

Microsoft Office

Business Management

Languages

Arabic
Maternal language

English
Advanced

French
Advanced

Espagnol
Basic knowledge

Hobbies

- NBA / NFL / MMA

- Traveling

- Watching Anime

Working Experience

Design Engineer (MAP T100)
Dec 2018 - Jun 2020

Sogeclair Aerospace - Tunis

Part of a team of mechanical engineers in a company operating in the field of aeronautical engineering in high technology. My job is to deal with concessions in T100 (design analysis task process) focusing on the XWB / SA / LR / DD programs for air inlet. The field of intervention extends from the primary to the secondary structure of the aircraft or the installation of systems.

These concessions constitute of non-conformities made during assembly of the structural batches or the installation of the systems. They are received as technical documents, to which we are responsible for providing a solution by modifying or designing mechanical elements under CATIA V5.

This activity linked to the production of aircraft requires great reactivity in order to meet the deliveries deadlines.

Compétences :
- Business management (Process analysis/Risk and cause analysis)
- IT Tools (CATIA V5/SOLIDWORKS/Ms Office/SAP/VPM-ENOVIA/PDMlink)

Mission :
Jul 2019 - Aug 2019

Sogeclair Aerospace, Airbus France site - Nantes

Work mission within Sogeclair Aerospace France in the Airbus production site in Nantes. My mission mainly consists of :

- Visit the Airbus production/assembly engineering plant to fully understand the process of making acoustic panels for air inlets..
- Support the plant in resolving non-quality issues related to composite acoustic panels and air inlets.
- Work specifically on concessions that impact aircraft composite parts to refine my working techniques on composite materials.

Internship
Feb 2018 - Jul 2018

Sogeclair Aerospace - Tunis

During my engineering studies, I did my end of studies internship within Sogeclair Aerospace, which is a company operating in the field of aeronautics engineering, a subcontractor of Airbus France. My mission internship consists in carrying out an analysis of a recurring non-conformity.

Realised project :

- Evalute the concession of recurring and new assembly defaults impacting the central wing box and propose a mechanical repair solution, if necessary in T100 (design task) and T300 (stress task).

- Offer a standard solution to minimize the processing time of recurring concessions récurrentes.

- Attend war room to asses the workload and get an overview of the upcoming workload.