Saifeddine RHOUMA

Senior Full Stack Developer (NodeJS | NestJS | React | Angular | TypeScript)

6 years of experience.

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SUMMARY

Experienced Full Stack Engineer with a strong passion for JavaScript, proficient in designing scalable back-end systems and crafting visually appealing UI components. Saifeddine has led development on projects involving international clients such as BMW, JERA Japan, and Shiseido Japan. A dedicated team player and fast learner, he has extensive experience in remote work and is skilled in agile methodologies.

EXPERTISE

- **Full Stack Development:** Specialized in React, Angular, NodeJS, and NestJS, creating performant and scalable front- and back-end solutions.
- **Client Engagement:** Experience working with top international clients, such as BMW Group, Avaxia Group, JERA Japan, and Shiseido Japan.
- **Application Design and Deployment:** Comprehensive background in designing, developing, and deploying applications for web and cloud environments, leveraging REST and GraphQL APIs, microservices, and cloud services.
- **Code Quality and Optimization:** Conduct code reviews to ensure high standards in readability, quality, and performance, adhering to W3C standards.

SKILLS

- **Programming Languages:** JavaScript, Dart, Java, C#, SQL, PHP, CSS (SCSS), HTML, and XML.

- **Platforms & Technologies:** NodeJs, NestJs, ReactJs, Angular, ElectronJs, Typescript, Flutter, Laravel, Redux, BabelJs, Socket.IO, PixiJs, GSAP, jQuery, ExpressJs, Webpack, Bootstrap, Sequelize, TypeORM, Mongoos, RabbitMQ, AWS Lambda, OAuth.

- **Databases:** PostgreSQL, MySQL, SQLite, MongoDB, NoSQL, Amazon DynamoDB, Redis (In-Memory DB), IndexedDB (low-level Client-side Storage).

- **CI/CD:** Tests (Jest, Jasmine, Mocha), E2E Tests, Playwright, ESLint / Prettier, Husky, Git, GitHub, GitLab, Bitbucket, SonarQube, Jenkins, Docker, CloudWatch, AWS API Gateway, Serverless.

- **Methodologies:** Scrum, Kanban.

- **Web Service:** REST, GraphQL.

- **Conception:** UML.

- **Other Tools:** Jira, Confluence, AWS, MySQL Workbench, DBeaver, Robo 3T, MongoDB Compass, Unity 3D, Adobe Creative Suite, Autodesk 3Ds Max, Android Studio, Eclipse.

- **OS Administration:** Linux, Windows.

EXPERIENCE

Senior Full Stack Developer
Deloitte (Tunisia, Tunis)   January 2023 – Present

Full Stack Developer
Avaxia Group (Tunisia, Monplaisir)   October 2020 – January 2023

Full Stack Developer
Hosinox Company (Tunisia, Medenine)   November 2016 – August 2018

Web Developer
Intellect Academy (Tunisia, Gabes)   September 2015 – October 2016

PROJECT REFERENCES

01.2023 - Present

PROJECT: OneGPM
- ✓ **Client:** BMW Group – Germany
- ✓ **Role:** Tech/Team Lead and Expert Developer

Overview: This is a web-based application providing real-time analysis of Key Performance Indicators (KPIs) for the BMW Group. It delivers a comprehensive view of company performance and status through AWS-integrated data visualization, enhancing strategic insights and decision-making.

Tasks:
- Contributed to technology and architecture decisions for the solution.
- Planned sprint content, estimated workloads, and set deadlines during backlog refinements.
- Participated in client meetings and demos.
- Developed AWS Lambda functions.
- Designed interface models and transformed them into UI components using SCSS.
- Integrated APIs with front-end components in Angular
- Implemented unit tests using Jasmine.

Technical Environment: JavaScript, HTML, SCSS, Angular, Angular Material UI, amCharts, Service Worker API, AWS Lambda, API Gateway, CloudWatch, Serveless, TypeScript, Service Worker, Jasmine, Mocha, Bitbucket, AWS DynamoDB, Husky.

11.2022 – 01.2023

PROJECT: SBuilder Application

✓ **Client:** Avaxia Group

✓ **Role:** Tech/Team Lead and Expert Developer

Overview: Automation server that streamlines application configuration, build processes, and version tracking, supporting efficient CI/CD workflows.

Tasks:

- Designed and implemented application architecture.
- Developed REST APIs using Node.js.
- Created and executed unit tests with Jest.
- Developed and managed batch scripts.
- Handled migrations using Sequelize.
- Designed and built main page layouts.
- Created interface models and implemented UI with Bootstrap and CSS.

Technical Environment: JavaScript, HTML, CSS, Ejs, NodeJS, BabelJs, ES6, Jest, NodeGit, ExpressJs, GoogleAPI, Batch Scripts, Axios.

08.2022 – 11.2022

PROJECT: Monitoring App (Snowflake Technology)

- **Client:** JERA Japan
- **Role:** Expert Developer

Overview: The Monitoring App provides a visual interface for data stored in Snowflake, enabling users to access, analyze, and present data insights through an intuitive dashboard.

Tasks:

- Designed and developed the application architecture.
- Built REST APIs using Node.js.
- Integrated APIs with front-end components in React.
- Designed interface models and developed UI components in React.
- Created interactive dashboard screens using Chart.js and React Flow.
- Implemented unit tests with Jest.

Technical Environment: JavaScript, HTML, CSS, ReactJs, NodeJS, BabelJs, ES6, Husky, Jest, Mocha, Snowflake-SDK, ExpressJs, React Flow, ChartJs, Axios.

02.2022 – 08.2022

PROJECT: **Shiseido App**

- ✓ **Client:** Shiseido Japan
- ✓ **Role:** Tech/Team Lead and Expert Developer

Overview: Web application that allows you to analyse Excel files and store their data in an SAP server in the cloud.

Tasks:

- Participated in client meetings and demo sessions.
- Designed and implemented the application architecture.
- Enabled automatic retrieval of API endpoint typing from the SAP back end.
- Wrote and executed unit tests using Jest.
- Managed data migrations using Sequelize.
- Contributed to technology selection and architectural decisions.
- Developed web interfaces using Bootstrap and custom CSS.

Technical Environment: JavaScript, HTML, CSS, Ejs, NodeJS, TypeScript, BabelJs, ES6, Jest, SAP-API, ExpressJs, Axios, Sequelize, Socket.io, SQLite, exceljs.

09.2021 – 02.2022

PROJECT: **Aerosimex**

- ✓ **Client:** Avaxia Group
- ✓ **Role:** Tech/Team Lead and Expert Developer

Overview: AeroSimex is a 3D air traffic control simulator, cloud-based and divided into multiple microservices. It provides realistic air traffic management scenarios and includes features like microservices for real-time data handling and UI developed with React and WebRTC.

Tasks:

- Collaborated on technology and architecture decisions.
- Designed and structured the application architecture.
- Architected and developed Node.js microservices and their REST API.
- Implemented unit tests using Jest.
- Managed data migrations using Sequelize.
- Developed an authentication microservice using JWT.
- Designed interface models and created UI components in React.
- Participated in sprint planning, workload estimation, and backlog refinement.

Technical Environment: JavaScript, HTML, CSS, PixiJs, TypeScript, GSAP, NodeJS, BabelJs, ES6, Jest, ExpressJs, Axios, Sequelize, Socket.io, SQLite, PostgreSQL, PeerJs, Bootstrap, 3D, React, ElectronJS, Material UI, JWT, WebRTC, WebGL, Unity3D, Docker.

10.2017 – 08.2018

PROJECT: Inventory Application for Primary Materials in Stock
- ✓ **Client:** Hosinox Company
- ✓ **Role:** Developer

Overview: A web-based inventory tool that centralizes and organizes all data related to warehouse goods, supporting efficient inventory tracking and streamlined warehouse management.

Tasks:
- Participated in designing the application architecture.
- Created main page layouts and transformed interface models into UI using Bootstrap and CSS.
- Developed REST APIs using Node.js.
- Conducted application maintenance, including bug fixes and regression handling.
- Managed data migrations using Mongoose.
- Performed testing and monitoring to ensure optimal application performance.

Technical Environment: JavaScript, HTML, CSS, Ejs, NodeJS, BabelJs, ES6, ExpressJs, Axios, MongoDB, Bootstrap, Passport, Nodemailer, ChartJS, Android Studio (Java).

11.2016 – 10.2017

PROJECT: Production Chain Management Application
- ✓ **Client:** Hosinox Company
- ✓ **Role:** Developer

Overview: A production management application for tracking and organizing each stage in the product creation process, ensuring efficient workflow and quality control.

Tasks:
- Participated in designing the application architecture.
- Created main page layouts and transformed interface models into UI using Bootstrap and CSS.
- Developed REST APIs with Node.js
- Handled data migrations using Mongoose.
- Conducted maintenance to resolve bugs and manage regressions.
- Performed testing and monitoring to ensure smooth application performance.

Technical Environment: JavaScript, HTML, CSS, Ejs, NodeJS, ExpressJs, MongoDB, Bootstrap, Passport, Nodemailer, ChartJS.

09.2015 – 10.2016   **PROJECT:** WatchUp Application

✓ **Client:** Intellect Academy

✓ **Role:** Developer

Overview: social networking platform tailored for the educational sector, facilitating connections among clubs, schools, parents, students, and teachers.

Tasks:

- Designed and implemented the application architecture.
- Created and conceptualized user interfaces.
- Developed web interfaces using Bootstrap and custom CSS.
- Managed data migrations using JPA.
- Resolved application anomalies.
- Conducted testing and monitoring to ensure functionality and reliability.

Technical Environment: JavaScript, XHTML, CSS, Java EE, JSF, JPA EclipseLink, Primefaces, JDBC, Maven, MySQL.

PERSONAL PROJECTS

2020	**Prediction Website with Telegram Bot Integration** **Web Application.** **Stack:** JavaScript, HTML, CSS, NodeJS, Bootstrap, Ejs, Telegram Bot, PayPal Api, jQuery.
2020	**EatCorner App** **Mobile Application.** **Stack:** Flutter, PayPal Api, Google Map, Firebase Notification.
2019	**Doctian** **Web and Mobile Application.** **Stack:** JavaScript, HTML, CSS, NodeJS, Bootstrap, Ejs, NoSQL, Ipfs, Flutter, Dart.

EDUCATION

2021 - Engineer's degree, Computer and Mobile Systems.
Private School of Engineering and Technology – ESPRIT

2015 - Fundamental License in Computer Science
Faculty of Sciences, University of Gabes

INTERNSHIPS

2021 – End-of-studies internship at **Avaxia Group** as a full-stack developer.

2020 - Summer internship at **JBN Development** as a mobile developer.

2019 – Summer internship at **JBN Development** as a web developer.

2015 – End-of-studies internship at **Intellect Academy** as a web developer.

LANGUAGES

- English.
- French.
- Arabic.