



Skills

Functional Skills:

Analysis, Design (UML), Code Review, and Technical Support.

**Industries** : Banking, Retail, E-Business, and Others:

- Contributing to the conception of projects from scratch.
- Documenting the work carried out.
- Participating in digital transformation.
- Collaborating in team efforts to achieve project vision.
- Creating unit tests.
- Functional specification.
- Addressing bugs reported by solution users.
- Creating and optimizing website content using a wide range of graphics, databases, animations, and other software tools.

Technical Skills:

**Languages** : TypeScript, Node.js, Go, Shell Scripting, & PL/SQL language.

**Framework** : **Frontend** : React, Next.js, Vue.js, & Angular.

**Backend** : Nest.js, Express & Fiber.

**SE** : Unix-based OS, Linux, & MacOS.

**SGBD** : MySQL, PostgreSQL, MongoDB, & Firebase.

**Tech's**: Messaging Queues (Kafka), Socket.IO, APIs Google/FB, Nginx, docker, Kubernetes, il8n, Crypto, stripe, amplitude, SendGrid, Twilio etc...

**Test** :

- Junit-4, Jest, testing-library/react (Frontend),
- (E2E) Cypress, SuperTest, and Rest-Assured etc...
- (Mock Web Services) WireMock, Nock and Node-Mocks-Http.

**CI/CD** : GitHub Actions, AWS CodePipeline, Gitlab CI-CD, & Bitbucket Pipelines.

**C. Version** : GitHub, Gitlab, et Bitbucket.

**Cloud** : AWS, GCP, DigitalOcean, MongoDB Atlas, & Firebase.

Formations



**Ibn Tofail University**

Master's degree in Cloud Software Engineering

2021



**Ibn Tofail University**

Bachelor's degree in Computer Science

2019

Experiences

Renault

Software Engineer

Jun 24 - Present

Domain of Intervention

1. Development of the Renault dealers official application with React, Express, and Renault's Internal Assets
2. Brainstoming, Desiging SQL databases.
3. Design and development of backend modules and features of the application with Node.js/ Express.
4. Migrating the project to the new Reanult's Scaffolds based on Nest.js and Next.js.
5. Contributing to Renault's Internal Assets (Node Core, Cache, Errors, Logger, Rest-client, node-security, dbb-connector)
6. Writing unit and integration tests.
7. Writing end-to-end tests with Cypress, and APIs with SuperTest, etc.
8. Integrating Google Analytics

Technical Stack

Typescript, React, Next, Node.js, Nest, Express, Jest, Nock, PostgreSQL, Sequelize, Docker, Helm, GCP, Google Analytics, Other Renault's assets, etc.

Walo

Software Engineer

Feb 21 - Jul 23

**Our Mission** : Helps children start their financial journey on solid ground through an innovative Money-Smart Kids application and banking card.

Domain of Intervention

1. Development of the Walo official website using Next.js and the administration panel with Angular.
2. Refactoring of the PostgreSQL database schema to make it 3NF to ensure application scalability.
3. Design and development of most backend modules and features of the application with Node.js/Express.
4. Configuration of Amplitude events for analysis of the official website and backend.
5. Creation of a Microservices architecture prototype and conversion, with a team of Devs and DevOps, of certain application modules into services such as managing debit cards for children and Visa debit cards for parents.
6. Writing unit and integration tests.
7. Testing responsive design with LambdaTest, end-to-end tests with Cypress, and APIs with SuperTest, etc.
8. Optimization content for search engines with keyword research, competitive analysis, and tracking website rankings.

Technical Stack

Typescript, React, Next, Redux, Tailwind, React Testing Library, Cypress, Node.js, Express, Jest, Chai, Node-Mocks-Http, PM2, Angular, RxJS, NgRx, PostgreSQL, Amplitude, Firebase Cloud Messaging, Twilio, branch.io, Facebook API, Docker, AWS Lambdas, AWS EC2, etc.

Plogg Maroc

Software Engineer

Mai 21 - Juil 22

**Our Mission** : Reinventing the customer experience by assembling a motivated and skilled team of e-business experts to achieve your business goals quickly and efficiently.

Domain of Intervention

1. Brainstorming, prototyping, and designing SaaS products.
2. Developing frontends with **React.js**, or **Vue.js**, and backends with Laravel and Node.js.
3. Creating and refactoring SQL databases, enhancing their design.
4. Managing the team throughout the feature integration process.
5. Writing unit, integration, and end-to-end tests.

Technical Stack

Typescript, Node.js, React.js, Vue.js, Jest, Laravel, Eloquent ORM, MySQL, DigitalOcean, with Vue.js libraries such as Vuex and Vue Router, as well as Laravel built-in features including authentication, database migrations, and unit testing.

Other Experiences

Software engineering

AssetFul

Smart Asset Management

Jan 24 - Mar 24

Modellium

Suite of communication tools

Aug 23 - Dec 23

IPA

Insurance placement agency

Jul 22 - Mar 23

Ametys

ESN

Aug 19 - Dec 20

Domain of Intervention

1. Designing and Creating SAAS Products.
2. Contributing collaboratively within a team environment to realize the project's overarching vision and objectives.
3. Designing and implementing Backend modules and features for applications using Nest.js and Express frameworks.
4. Acknowledging, investigating, and resolving issues or bugs that have been reported by users of the software.
5. Creating Frontend features using TypeScript, React/Next, Vue, and Angular frameworks.
6. Crafting unit, integration, and end-to-end tests utilizing Jest, React Testing Library, Cypress, and SuperTest.
7. Designing SQL database structures, and NoSQL (Redis) for caching mechanisms.
8. Indexing web pages with Google Search Console and utilizing Semantic Web techniques following schema.org best practices to optimize SEO.

Technical Stack

Typescript, Next.js, Vue.js, Angular.  
Node.js, Nest, Express, Laravel, Jest, Cypress.  
PostgreSQL, MySQL, Redis, TypeORM, Prisma,  
Auth0, Swagger, il8n, Docker, etc...

Project Reference

Walo & Berkeley

Integration of a full neo-banking suite into our application via AWS Lambdas. Berkeley is a digital bank that enables us to offer user accounts, physical and virtual cards, peer-to-peer transfers, bill payments, and direct deposits to our users.

**Roles** : Software Architecture and Development, Database Design

**In the context of software architecture and database design, our team has taken charge of the following aspects:**

1. Infrastructure Selection: We evaluated various infrastructure options available on AWS and selected those that best met the needs of our project, considering scalability, availability, and security.
2. Serverless Function Architecture Design: We developed an architecture based on serverless functions using AWS Lambdas. This approach allowed us to develop and deploy features in a modular and scalable manner while minimizing infrastructure costs.
3. Card Management: Development of AWS Lambdas enabling the creation of cardholders, card shipment, card activation, and card transactions (value loading (POS), account transactions).
4. Direct Send: Development of AWS Lambdas enabling real-time payment addition with bank cards to our solution.
5. Other Features: Debt collection, 3D Secure, Health Check, Security, etc.