

key words

NodeJs, JavaScript, TypeScript, NestJs, AWS, VueJS, ReactJs, REST API, HTML5, CSS3, GIT, Monitoring, SQL & NoSQL Databases, Python

EDUCATION

10 / 2021: AWS Cloud Practitioner Certification.

2013-2014: Master's Degree in Interactive Multimedia from Université Paris 1 Panthéon-Sorbonne (France).

2012-2013: Master 1 in Digital Image from Institut Supérieur des Arts Multimédia de Manouba (Tunisia).

2009-2012: Bachelor's Degree in Multimedia Computing from Institut Supérieur des Arts Multimédia de Manouba

2008-2009: Baccalaureate in Computer Science - Collège Sadiki (Tunisia).



EXPERIENCES

From December 2022 to May 2024: SNCF

Backend Developer (NodeJs - AWS)

Context:

Part of the INVICTUS team (SNCF Connect application), an application for journey management.

Responsibilities:

- Developed REST APIs with serverless architecture on AWS.
- Developed REST APIs using ExpressJS, NestJS.
- Managed and implemented Step Functions for initiating and tracking rides.
- Set up infrastructure as code using Terraform.
- Added scripts to the CI/CD pipeline.
- Unit testing using JEST.
- Code migration between two AWS environments.

Technical environment:

Node.js, JavaScript/TypeScript, NestJs, ExpressJs, AWS (S3, Lambda, Cognito, API Gateway, CloudWatch, SQS, SSM, Step Functions), Docker, Agile & Kanban (Jira), GitLab, databases (DynamoDB, MongoDB, Redis), Terraform, CI/CD, AWS Commit, Kotlin.

From October 2021 to December 2021: SNCF

Full-Stack Developer (React / NodeJs - AWS)

Context:

Part of the INVICTUS team (SNCF Connect application), an application for journey management.

Responsibilities:

- Initiated and designed the serverless architecture of the project, leading its implementation on AWS, optimizing performance and project management.
- Developed a REST API with serverless architecture on AWS using API Gateway.
- Developed a web interface to consume the API using ReactJS.
- Set up infrastructure as code using Terraform.
- Added scripts to the CI/CD pipeline.
- Unit testing using JEST.

Technical environment:

Node.js, JavaScript, ReactJS, AWS (S3, Lambda, Cognito, API Gateway, CloudWatch, SSM), Docker, Agile & Kanban (Jira), GitLab, databases (DynamoDB, MongoDB, Redis), Terraform, CI/CD.

From January 2020 to August 2021 & From January 2022 to November 2022: ENGIE

Backend Developer (NodeJs – AWS – Python – Data Engineer)

context:

Part of the Engie C3 team, dedicated to the storage and manipulation of energy consumption data from Engie customers received by energy providers and various IoT sensors.

Responsibilities:

- Developed REST APIs for IoT (receiving real-time data streams and storing sensor status data).
- Developed APIs on a PaaS (C3.ai) in JavaScript.
- AWS development (Node.js Lambda [JavaScript & Python]) – reading from Kinesis or Firehose stream.
- API monitoring using Splunk, AWS CloudWatch, Elasticsearch, Kibana, and Slack or email alerts.
- Technical documentation and creation of functional diagrams.
- Developed batch processes using MapReduce in Python & JavaScript.
- Participation in design and testing phases.
- Data analysis and action taking.
- Deployment of AWS resources via Terraform & Jenkins.
- Technical reference on several topics, guiding the functional direction of the project.
- Contributed to architecture and technical decisions to improve development efficiency.
- Organized meetings for task distribution and mentoring an intern.

Technical environment:

Node.js, JavaScript, AWS (S3, Lambda, RDS, Firehose, Kinesis, CloudWatch, ETL), Docker, PostgreSQL, MySQL, ORM Sequelize, Python, Pandas, NumPy, Splunk, Kibana, Terraform, Jenkins, Agile & Scrum (Confluence, Jira), Elasticsearch, Grafana, Draw.io, GitHub, GitLab.

From April 2017 to December 2019: Renault Group

FullStack Developer (VueJs - NodeJs)

Context:

In the R&D department, participated in the development of HMIs for Renault's connected systems projects (Multimedia, connected services, Navigation, etc.).

Responsibilities:

- Designed the project architecture, participated in the selection of development tools and technical environment.
- Developed touch screen models in frontend development using VueJS (design and integration) – integration of new components.
- Developed desktop applications from web applications using the ElectronJS framework.
- Backend development in Node.js (e.g., simulation player, phone, contact backup).
- Designed and developed a web application to take screenshots of an IHM system in Linux connected via a serial port (Node.js – VueJS with Vuetify).
- Led the team to improve technical skills in Node.js and Vue.js. Responsible for the successful migration from SVN to Git and the adoption of the Scrum methodology, improving collaboration and development efficiency.

Technical environment:

Node.js (ExpressJS), HTML5, CSS3, VueJS, ElectronJS, GIT, GitLab, Adobe Illustrator, Adobe XD, Agile & Scrum (Confluence, Jira).

May 2015 - February 2017: PSA Peugeot Citroën Group

Full Stack Developer: QML / HTML 5 / JS / PHP

Context:

In the PSA Vélizy technical center, as part of the UXCT team (dedicated to the automotive user experience) to offer a personalized and multi-sensory experience to drivers and passengers.

Responsibilities:

- Integrator on UI/UX projects (QML - Qt Creator).
- Integrated color matrix for I-Cockpit (QML - Qt Creator- C++).
- Integrated on the Citroën Cxperience concept car presented at the 2016 Paris Auto Show (QML - Qt Creator).
- Developed a web application for icon management (HTML5 – CSS3 (Bootstrap) – JS (+ jQuery) – PHP).
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Technical environment:

QML, QT, C++, HTML5, CSS3, JS JavaScript, PHP, Photoshop, Version Control: SVN and GIT, Agile & Scrum (Confluence, Jira).

August-December 2014: Make Me Viral

Full Stack developer internship (web and Facebook applications).

Responsibilities:

- Developed the agency's website.
- Integrated a Facebook application for Leroy Merlin.

Technical environment:

HTML5, CSS3, JS JavaScript, PHP (Zend), Photoshop, Version Control: SVN.

Freelance:

- Developed websites (cf: www.mehdimahjoub.com)

February – June 2012: Ekovoice

Mobile developer internship (Android)

- Developed an IP camera management application.
- Created promotional animations for the "SoldeMaps" application using Flash.

SKILLS

Backend Development : Node.js, JavaScript, TypeScript, Python, PHP5, NestJS, ExpressJS, Jest, C3.ai, REST API.

Backend Development : VueJS, ReactJS, HTML5, CSS3, ElectronJS, JQuery, Adobe Digital Publishing Suite, QML, QT.

Cloud and DevOps : AWS (Lambda, S3, RDS, Firehose, Kinesis, API Gateway, CloudWatch, SQS, Step Functions, SNS, Cognito), Terraform, Docker, Kubernetes, GitLab CI/CD, Jenkins.

Data Engineering & Monitoring: Splunk, Elasticsearch, Kibana, Grafana, ETL, MapReduce, Pandas, Numpy, Batch Processing.

Version Control Tools : Git, GitLab, SVN.

Database: SQL (PostgreSQL, MySQL, SQL Server), NoSQL (MongoDB, DynamoDB, Redis).

Advanced Programming & Animation:

C++, OpenGL (2D/3D), AS 3.0, Adobe XD, Adobe Illustrator, Photoshop, Edge Animate, Maya 3D.

Mobile Application and Game Development :

Android (Java), Unity.

CMS: WordPress.

Project Management & Methodologies : Scrum, Kanban, Confluence, Jira, Draw.io.

LANGUAGES

Arabic: read, written, spoken.

French: read, written, spoken.

English: read, written, spoken.

HOBBIES

Art and culture: Music production, disc jockey, cinema.

Sport: Football, handball, Swimming.