

Romain BOBOE

FullStack Software Engineer (7 Years Experience)

Tel: +1 (438) 836 5528

hi@romainboboe.com

www.romainboboe.com

Langage: French - English

Profil

Leveraging my unique blend of architecture and computer science knowledge, I transitioned into software development with a holistic understanding of technical and design aspects. I'm proficient in JavaScript, and NodeJS and skilled in frameworks like React, VueJs. I also bring expertise in AWS, Azure, GCP, Docker, and database management.

As an AI enthusiast, I'm currently working on AI-powered projects and excited to expand my skills in machine learning and automation, and contribute to innovative projects with a team that values creativity and technological advancement.

Technologies

- **Languages & Frameworks:** JavaScript ES15, Node.js, NextJS, NestJS, React, VueJS, Jest,
- **Cloud Technologies:** AWS, Azure, DigitalOcean, HuggingFace
- **Containerization & Orchestration:** Docker, Kubernetes, Container Orchestration
- **APIs & Microservices:** RESTful APIs, GraphQL, API Gateway
- **Database Management:** SQL/PostgreSQL, MongoDB
- **Management & Agile:** Scrum, Agile methodologies, JIRA, Notion, Agile Project Management
- **Design & Prototyping Tools:** Figma, Framer, UX/UI Design
- **Version Control Systems:** Git, GitHub, GitLab
- **AI & Machine Learning:** OpenAI, Ollama, Mistral, Lama, TensorFlow, PyTorch, DeepLearning, NLP
- **Environnements:** Microsoft - Office 365, OS, Linux

Degree

- | | |
|---|------------------|
| - Associate's Degree Computer Software Engineering
Conservatoire National des Arts et Métiers - Paris | 2003-2006 |
| - Master + 1year in Architecture
École Nationale Supérieure d'Architecture, Paris-Malaquais | 2003-2012 |

Certificats & Continues Improvement

- 42 Quebec-City – Algorithm and Data Structure projects in C and C++ (Since January 2022) RealPython/-Udemy/Coursera/ FrontEnd Mastery
- FullStack Developer Certificate with Ruby/Rails at LeWagon Montreal (2017)
- Product design Certificate - TheFamily / Paris (2015)

Experiences

N.7 Compozit

SEPTEMBER 2023 - TODAY

Project: Compozit.ca : an AI powered Application for property research and automated feasibility.
Scope: As Founder and Tech Lead, I led a team of 3 developers to build a cutting-edge application, driving the vision and strategy.
Role: **Founder, Tech Lead, Solution Architect and Designer**

Responsibilities:

- Defined the project vision and strategy, aligning the team towards a common goal.
- Led the design system and interface design on Figma, creating a cohesive user experience.
- Building and handling all the enablers: Pipeline, Server, AI Model, APIS, Files Structures, FrontEnd refactoring.

Achievements:

- Established an Agile environment with Notion, facilitating efficient sprints and team collaboration.
- Built the infrastructure using Docker, GitLab CI/CD, and set up the server from scratch on Digital Ocean, ensuring seamless development, staging, and production workflows.
- Developed the backend with Flask and Python, and the frontend with React and TypeScript
- Setting a Server to host Mistral AI Model with the right resources and connexion with OpenAI wrapper to handle the user prompt and formatting.
- Successfully connected both servers, enabling a complete data flow with web-socket to streamline the responses displayed in real-time on the frontend.

Environment and Tools:

OpenAI, ChatGPT, Ollama, Mistral, LangChain, Docker, GitLab CI/CD, Gitlab Runners, GIT, DigitalOcean, Linux, NodeJS, React, TypeScript, Flask, API, MongoDB, Figma, Notion

N.6 Bell

JANUARY 2023 - SEPTEMBER 2023

Project: COOL Application & Design System
Scope: Developed a new application for IP address allocation management cron's job, collaborating with the Design System team, designers, and solution architects in a dynamic Agile team.
Role: **Project development leadership and Solution Architect**

Responsibilities:

- Led the development and design of the application, ensuring alignment with strategic and architectural standards.
- Facilitated Agile team workflows and Scrum meetings.

Achievements:

- Enhanced VueJS component demo application and updated NodeJS libraries within the DS team
- Managed design process, focusing on performance and user-centric interfaces, supervising Figma interface designs for complex orchestration applications
- Led development of efficient solutions in Vue.js and TypeScript, creating new UX components and applications, including setting up a local CRUD server and backend integration
- Maintained high architectural standards with Jest testing and best industry practices, updating architectural documentation on Confluence

Environment and Tools:

NodeJS, Vue.js, TypeScript, Jest, HTML, SCSS, GIT, Figma, API, Python, PostgreSQL, Docker, Kubernetes.

N.5 Grics**APRIL 2022 TO MAI 2022****Project:** Mozaik-Portail / Design System**Scope:** Worked within a 6-7 person Scrum-Agile team, collaborating with product managers, project managers, UI-UX designers, and advisory teams to develop UI components for the next version of the Mozaik-Portail, managing teacher-student interactions.**Role:** **Full-Stack Developer****Responsibilities:**

Developing the Design System, drafting production specifications, creating technical guides/training materials, weekly progress reports, and knowledge transfer to team members as needed.

Achievements:

Developed a library of reusable controls with a TDD approach, adhering to market best practices; documented components in Storybook according to GRICS standards; produced quality code meeting GRICS's DOD and NFR, documented code for optimal maintainability and usability, participated in code review sessions, pair programming, SCRUM-Agile meetings as necessary, and advised on best development and quality assurance practices, contributing to the continuous improvement of development standards and ensuring their adherence during code reviews.

Environment and Tools:

Vue.Js, C#, HTML, CSS, PowerShell, API REST, Jest, Storybook (mdx), Figma, Microsoft Azure (VS, TFS), GIT, Vuetify.

N.4 INSURANCE PORTAL**JUN 2021 TO APRIL 2022****Project:** Assignment for Journal de l'Assurance, a leading insurance publication in Canada.**Scope:** Worked in a team of two developers (including a backend developer), a product manager/UX designer, and a product lead.**Role:** **Full-Stack Developer (NodeJS/VueJS/Vanilla JS/jQuery)****Responsibilities:**

Developing front-end and back-end features for existing and new projects

Achievements:

Creating and deploying event sites with registration, product purchase, and CRM for sponsor showcases, developing a dynamic event site management application + API with a unique product purchasing process from 2022, adding new user profiles, purchasing processes, and admin panel updates to existing projects, implementing payment management with djStripe, and conducting code refactoring and maintenance.

Environment and Tools:

JavaScript, NodeJS, JQuery, VueJS, HTML / CSS, Django, Python, API, PostgreSQL, Stripe, Docker.

N.3 TENDANCE MEDIA (REMOTE)

DECEMBER 2020 TO MAI 2021

Client: Tendance Media, a communication agency in Nice, France.

Role: FullStack Developer using Rails/VueJS

Responsibilities:

I led the front-end and back-end design and implementation for LabelleRue's web application, featuring virtual tours for real estate agents. This involved user experience design, VueJS for dynamic user interactions and validations, and Rails for CRUD operations and database management with PostgreSQL. I coordinated with a team of three developers and maintained ongoing communication with the agency and client.

Additionally, I managed and enhanced the Planet Of Finance web application, implementing VueJS dashboards for tracking user registrations and investment portfolio sizes, crafting PostgreSQL scripts for data analytics, resolving Ruby/Rails back-end bugs, and collaborating with the devOps team on server-side issues.

Environment and Tools:

VueJS, HTML / CSS, Ruby/Rails, API, PostgreSQL, Docker.

N.2 LE WAGON (MONTREAL)

APRIL 2017 TO DECEMBER 2018

Projet : Web application design and implementation using Ruby/Rails and JQuery

Role : Front-End Developer

Responsibilities:

Designing the database schema and implementing CRUD operations with Rails; integrating geocoding features using the Geocoder gem and Google Maps API; developing a comment and rating system; and managing front-end interactions with AJAX for dynamic content updates without page reloads.

N.1 FREELANCING

APRIL 2008 TO DECEMBER 2019

As a freelance web designer and graphic artist for private clients, I specialized in brand and graphic design, developing over a dozen static websites for both professional and private clientele, and managed blog creation and site maintenance for various businesses. My projects have spanned UI design for websites like ernesto-art.com and service-focused projects like bimfloor.com, along with personal web development projects and architectural firm sites, emphasizing design, development, and maintenance. This experience underlines my ability to deliver comprehensive web and graphic design solutions tailored to diverse needs.