MARIAM ANDREEA AL-FARRA Frontend Developer

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PROFESSIONAL SUMMARY

Frontend Developer with over 4 years of experience building clean, responsive web applications, mainly using **Vue.js 2/3, Nuxt.js 3, Pinia ,Tailwind CSS, Javascript and TypeScript**. I enjoy working on user-focused interfaces and improving how products look and feel. I have a solid understanding of backend concepts as well, with hands-on experience in **Python, PostgreSQL, and MS SQL Server**. I'm detail-oriented, quick to learn, and used to working in Agile teams with tools like Jira and Azure DevOps.

WORK HISTORY

Web Programmer, *Atos IT Solutions and Services SRL*   09/2021 – Present
2021 - 2023   Remote, Romania

- Built internal web tools using **Vue.js 2**, **JavaScript**, and **Bootstrap**, mainly focused on UI development based on **Figma designs** provided by the design team.
- Used **Node.js** only for simple backend endpoints needed by the frontend (basic data exchange and integration).
- Worked with **MS SQL Server** to handle data storage and queries for internal applications.
- Took part in redesigning the **Atos Welcome Portal** for new joiners, improving layout, usability, and visual consistency.
- Co-developed **Atos Green**, an internal sustainability app that helps employees track and understand their carbon footprint.
- Created interactive features such as **daily challenges**, **leaderboards**, and **real-time carbon tracking dashboards** to encourage engagement.
- Worked in **Agile teams** using **Jira** for sprint planning, task tracking, and team communication.
- Used **GitHub** for version control, creating pull requests and working closely with senior developers through code reviews and feedback.

Dec 2023 - Present

- Joined the Generative AI Chat platform after the initial setup was created by a senior developer, and took ownership of building and expanding major parts of the user experience as the platform scaled to over **48,000 Atos employees**.
- Built and maintained the **RAG chat interface**, including conversation history, chat navigation, and restoring previous conversations from the backend.
- Designed and developed the **Knowledge Hub**, where users can discover projects, request access to private knowledge areas, join public ones, and start interacting with the chat.
- Built the **access and membership management UI**, allowing users to join projects, request access to private knowledge areas, and become project owners who can manage settings and content.

- Implemented **superadmin views** for creating and managing projects, reviewing and approving user requests for new knowledge areas, and monitoring overall platform usage.
- Developed the **project settings interface**, allowing owners to configure titles, descriptions, system prompts, example questions, and intents that shape how the assistant behaves in each project.
- Built the **data source management UI**, where users can upload documents, manage knowledge base content, and track ingestion status.
- Implemented multi-file upload with validation, real-time ingestion tracking, and user feedback (success, failure, permanent errors), making the document pipeline transparent and reliable for users.
- Designed and implemented **structured tagging** for documents to improve retrieval quality, including bulk tagging.
- Added chat-level tag filtering so users can select a specific context (for example a country like *Romania*) and get answers only from documents related to that context, improving accuracy when multiple knowledge sources exist.
- Built the **feedback and analytics UI**, allowing owners of the knowledge area to review likes/dislikes, filter feedback, and understand how the project is used.
- Worked closely with backend engineers on **Python (Flask) APIs**, RAG retrieval behavior, and ingestion workflows, mainly focusing on frontend integration and correct data flow with PostgreSQL.
- Participated in the migration from the original React-based UI to **Vue.js 3, Nuxt.js, Pinia, TypeScript, and Tailwind CSS** as the platform scaled.
- Initially worked from **Figma designs**, and later took responsibility for evolving and maintaining the UI design as the platform grew.
- Used **GitHub** for pull requests, reviews, merges, and light interaction with workflows as part of the team's delivery process.
- Used **Jira and Azure DevOps** for sprint planning, task tracking, and collaboration within the Agile team.
- Applied **ESLint** and shared conventions to keep the codebase consistent and maintainable.
- Regularly participated in code reviews and design discussions to maintain quality and align with team standards.

EDUCATION

Secondary School and High School (Cambridge International Examinations), 06/2015
Universal Private School, Abu Dhabi

B.Sc. in Electronics, Telecommunications and Information Technologies, 01/2021
University POLITEHNICA of Bucharest

SKILLS

Frontend
Vue.js 2/3, Nuxt.js 3, React, TypeScript, JavaScript (ES6+), Tailwind CSS, Bootstrap, HTML5, CSS3, Pinia, ESLint

Databases
PostgreSQL, MS SQL Server, MySQL

Development Practices
Agile / Scrum, Code Reviews, CI/CD, Git & GitHub, API Testing (Postman, Swagger), Linting (ESLint)

Soft Skills
Collaboration, Problem Solving, Adaptability, Communication, Continuous Learning

Backend & APIs
Node.js, Python (Flask), REST APIs, SQLAlchemy, Postman

AI Tools & Concepts
Generative AI, RAG (Retrieval-Augmented Generation), File-based Q&A, Image Generation, Prompt Optimization

Tools & Platforms
Visual Studio Code, Visual Studio, Azure DevOps, Jira, Notepad++, Putty, Remote Desktop Connection

PROJECTS

Personal Portfolio Web App (Interview Project) Nuxt.js 3, Vue.js 3, Tailwind CSS, ESLint, *(12/2024-01/2025)*   12/2024 – 01/2025

- Built a simple, fully functional portfolio web application as part of an interview process to showcase frontend skills and project structure.
- Implemented basic routing, layout, and component structure using **Nuxt.js 3** and **Vue.js 3**.
- Styled the interface with **Tailwind CSS**, focusing on a clean, responsive layout and readable UI.
- Added a basic login flow with simple validation to demonstrate form handling and user interaction.
- Configured and applied **ESLint** to keep the codebase consistent and readable.
- Deployed and self-hosted the application, making it publicly accessible for review.

Access: http://cv-project-demo.fly.dev/AppDemo/ ⧉
Login: mariam_alfarra@hotmail.com ⧉ |
Password: test1235

CERTIFICATIONS

PCAP - Certified Associate Python Programmer
12/2024

Cambridge IGCSE, AS, A-Level (English, ICT, Physics, Math, Chemistry)

AWS Certified SysOps Administrator - Associate
11/2024

AWS Certified AI Practitioner
07/2025

AWS Certified Cloud Practitioner
12/2023