

JEIBERTH MALAGON

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PROFESSIONAL SUMMARY

Experienced Full-Stack Developer with expertise in AI product integration and 3+ years architecting scalable, cloud-native web applications and real-time systems using end-to-end development. Expert in **React**, **Vue.js**, **Laravel**, **Node.js**, and **MySQL**, with growing expertise in **AWS cloud services**, **LangChain**, and **AI integration**. Delivered platforms with 99.9% uptime, processing 5,000+ monthly transactions, emphasizing responsive web design, microservices architecture, AI-powered features, performance optimization, and security compliance (**OAuth/Open Authorization**, **JWT/JSON Web Tokens**). Proficient in **MERN Stack** and Agile methodologies.

SKILLS

- **Frontend:** Tailwind CSS, Responsive Web Design, Accessibility (WCAG), Progressive Web Apps (PWAs), Augmented Reality (Three.js), Angular, Ionic, Capacitor, NgRx, RxJs, i18n
- **Backend:** Express.js, Java, GraphQL, Database Encryption, Caching Strategies, Design Patterns, Software Architecture
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud & DevOps:** Docker, AWS Lambda, Linux, Railway CI/CD, CI/CD Pipelines, WinSCP, Solar-Putty
- **Other Tools:** WordPress, LLM
- **Core Strengths:** Problem-Solving, Critical Thinking, Analytical Thinking, Time Management, Teamwork, Continuous Self-Learning
- **Languages:** English, Spanish, French

EDUCATION

- **Computer Science Program**
Vanier College
Montreal, QC
- **Service Excellence For Business**
ILAC International College
Toronto, ON
- **Administrative Assistance Technician**
SENA
Bogotá, Colombia

EXPERIENCE

Full-Stack Developer – D2Technologie (09/2024 – Present)

- Architected scalable e-commerce platform integrating **Stripe** payments, **reCAPTCHA** security, **ETL** procedures, and **Pinia** state management, serving 1,000+.
- Integrated **Twilio** SMS validation, **cookie** management, **indexed storage**, and **Linux server configuration** for seamless multi-platform synchronization, enhancing user experience.
- Automated Telus trade-in system processing 5,000+ assessments with 99.9% accuracy by extracting **XML**-based file format data leveraging **microservices** for high reliability.

Projects: <https://corpo.d2technologie.com/>, <https://d2portail.com/>

Lead Ai Product Developer – AiCook (Startup) (01/2025 – Present)

- Engineered an **AI-driven** recipe generation system with **Angular**, **Ionic**, and **NgRx**, integrating **LangChain** for dynamic **prompt orchestration** and **large language model** integration.
- Designed custom **prompt templates** and **chain flows** to generate multi-step, personalized cooking recipes from user input ingredients.
- Integrated **OpenAI API** in **Laravel** for real-time natural language understanding and recipe generation via **optimized prompt design**.

Project: <https://www.AiCook.info/>

Founder & Software Engineer – Trueque (Startup) (06/2024 – Present)

- Spearheaded cross-platform marketplace using **Vuex** state management, **WebSockets** for real-time updates, and **2FA (Two-Factor Authentication)**, leveraging **Docker** to containerize services and support 1000+ concurrent users.
- Deployed **AWS S3** cloud storage, **i18n** framework for multi-language support, **Photon** geolocation services, and **Railway CI/CD** pipelines, reducing deployment times by 50% through automated workflows.
- Enhanced **MySQL** and **MongoDB** performance by 30% via advanced query optimization and caching strategies, supporting scalable backend operations.

Projects: <https://www.trueque.art/>, <https://app.trueque.art/>

Lead Software Developer (Contract) – Malgo Real Estate (02/2024 – 04/2024)

- Delivered comprehensive tenant management **SaaS** platform handling applications, rejections, acceptances, and contract generation, designed to scale to 500+ real estate properties.
- Facilitated client requirement sessions in Agile environments, implementing end-to-end features from frontend **UI** to backend **APIs RESTful**.
- Implemented **SMTP** notifications and database encryption using the **Base24** encryption type for secure tenant data processing, complying with security standards.

Project: <https://www.malgo.top/>

Technical Product Developer – Personal Projects (2022 – Present)

- **Vocabulary Learning Platform** (<https://vocabulary.help/>): Launched **PWA** for language learning with Anki-style, utilizing **React-TypeScript**, **Text-to-Speech** integration, and **LocalStorage** persistence. Optimized for **SEO** and accessibility (**WCAG**-compliant), achieving fast load times.
- **AR Menu Platform** (<https://3dish.tech/>): Created Augmented Reality dining experience using **Three.js**, **Google Model-Viewer**, and **Bootstrap** for interactive 3D visualizations. Built full-stack **Laravel/Vue.js** portal with **MySQL** database management.
- **Game & AI Chatbot** (<https://jeiberth.com/>): Programmed browser game with advanced **CSS** animations and **Photoshop**-optimized assets. Trained **AI** chatbot on custom datasets using **machine learning techniques**, achieving 85% conversational accuracy.