JEIBERTH MALAGON

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PROFESSIONAL SUMMARY

Experienced Full-Stack Web Developer with 3+ years architecting scalable, cloud-native web applications and real-time systems using end-to-end development. Expert in **JavaScript/ES6+**, **HTML5/CSS3**, **React**, **Vue.js**, **Laravel**, **Node.js**, **MySQL**, and **Firebase**. Delivered platforms with 99.9% uptime, processing 5,000+ monthly transactions, emphasizing responsive web design, microservices architecture, performance optimization, and security compliance (**OAuth/Open Authorization**, **JWT/JSON Web Tokens**). Proficient in **MERN Stack** and Agile methodologies.

SKILLS

- Tailwind CSS
- Responsive Web Design
- Accessibility (WCAG)
- Progressive Web Apps (PWAs)
- Augmented Reality (Three.js)
- Express.js
- Java
- GraphQL
- PostgreSQL
- MongoDB
- Database Encryption
- Caching Strategies
- Kubernetes
- AWS Lambda
- Railway CI/CD
- Testing (Jest/Cypress, Mocha/PHPUnit)
- Design Patterns
- Software Architecture
- CI/CD Pipelines
- Problem-Solving
- Critical Thinking
- Analytical Thinking
- Time Management
- Teamwork
- Continuous Self-Learning
- 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, and **Pinia** state management, serving 1,000+ users with responsive design and cross-browser compatibility.
- Integrated **Twilio** SMS validation, cookie management, and indexed storage for seamless multi-platform synchronization, enhancing user experience.
- Optimized pricing system for 2,500+ SKUs by converting spreadsheet data into a structured **API** and database, reducing checkout errors by 25% and improving load times.
- Automated Telus trade-in system processing 5,000+ assessments with 99.9% accuracy, leveraging microservices for high reliability.

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

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

- Spearheaded cross-platform marketplace using **Vuex** state management, **WebSockets** for real-time updates, and **2FA (Two-Factor Authentication)**, designed to handle 1000+ concurrent users.
- Deployed **AWS S3** cloud storage, **Photon** geolocation services, and **Railway CI/CD** pipelines, reducing deployment times by 50% through automated workflows.
- Localized application with **i18n** framework for multi-language support, ensuring global accessibility.
- 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**.
- Implemented **SMTP** notifications and database encryption for secure tenant data processing, complying with security standards.
- Constructed applicant ranking algorithm using efficient data structures, reducing processing time by 60% and improving system efficiency.

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

Technical Product Developer – Personal Projects (2022 – Present)

- **Vocabulary Learning Platform** (https://vocabulary.help/): Launched offline-capable flashcard **PWA** for language learning with Anki-style spaced repetition, utilizing **React**, **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.