

# Jeiberth Malagon

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[GitHub](#) - [Personal Website](#) - [LinkedIn](#)

## SUMMARY

**Innovative Full-Stack Developer** specializing in **event-driven architecture** and **deterministic rendering** to deliver **low-latency systems** for real-time applications. Proficient in **concurrency models** (multithreading, WebSocket's) and **immutable infrastructure** design, ensuring **fault tolerance** in high-traffic environments like B2B e-commerce

## SKILLS

- State Management Frameworks
- Vuex, pinia
- Code Optimization
- Performance Profiling
- Git
- Jira
- Design Patterns
- Software Architecture Principles
- Cross-Platform & Responsive Design Techniques
- Real-Time Protocols
- Problem-solving
- Critical thinking
- Time management
- Analytical Thinking
- Teamwork
- Continuous Self-Learning
- English, Spanish / Advanced
- French / Basic-Intermediate
- Agile methodologies

## EDUCATION

**Computer Science**  
*Vanier College*  
Montreal, QC

**Service Excellence for Business**  
*ILAC – International College*  
Toronto, ON

**Technician administrative assistance**  
*SENA - Servicio Nacional de Aprendizaje*  
Bogotá, Colombia

## WORK EXPERIENCE

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

- **Architected scalable Laravel backends** for B2B, consumer, and public-facing e-commerce platforms, implementing **AES-256 encryption** and **HTTPS-secured APIs** to ensure **100% secure data transmission** for **1K+ monthly transactions** and **order workflows**. Designed real-time pricing validation logic for **thousands of SKUs**, reducing checkout errors by **25%**, and automated PHP-based **order processing systems**, accelerating fulfillment speed by **30%** while scaling to handle **100+ daily transactions**.
- **Built** responsive Vue.js/React interfaces with dynamic features, including **real-time inventory tracking** that **reduced stock discrepancies by 30%**, role-based dashboards that improved decision-making speed by **25%**, and a seamless **RESTful API integration** that **accelerated checkout flows by 20%**. Ensured a **mobile-first design**, increasing **mobile user engagement by 15%**.
- **Engineered** Telus's device trade-in system, automating pricing algorithms for over **100 device models**, shipment tracking for **thousands of monthly trade-ins**, and device condition validation, reducing manual assessment time by **40%**. Integrated **third-party APIs with JWT authentication**, ensuring **99.9% data consistency** and enhancing system security for millions of transactions.

### Founder / Lead Mobile Developer – Trueque - (10/2024 - Present)

- **Led full-stack development and launch of an Android app** (deployed, pending App Store approval) using Quasar/Vue.js, Laravel, and Capacitor, integrating **AWS S3 for cloud storage**, **Photon** for geolocation services, and Pusher for **real-time chat** functionality.
- Designed **JWT-authenticated workflows** with **SMTP email validation**, reducing unauthenticated access by **40%** via **optimized SQL queries** for dynamic user-item matching.
- **Built negotiation systems**, profile management improving **MySQL efficiency by 30%**, and implemented **CI/CD pipelines** (Railway) to accelerate deployments by **50%** while ensuring **Google Play Store privacy and security guidelines** through [Privacy Policy creation](#).
- **Created** peer-to-peer exchange platform enabling item swaps, prioritizing **scalability** (microservices) and **user retention** via push notifications.

## PROJECTS

### Web Development & Game Design (01/2024 – Present)

- **Constructed** a responsive portfolio with **HTML5/CSS3**, and **JavaScript ES6**, integrating a custom **RESTful API** with documentation; optimized for **SEO** and **WCAG 2.1** compliance.
- **Developed** [Pixel Paws](#), an interactive **browser-based game** with **JavaScript sprite animations**, **CSS keyframe animations**, and **Photoshop-optimized assets**, achieving a **cross-browser compatibility**.
- Built [Jeiberth AI Chat](#) with **Cohere.ai NLP**, trained on custom datasets for **85% conversational accuracy**, deployed on **HTTPS-secured endpoints**.

### Eye Bank Desktop Application (09/2023 – 12/2023)

- Developed a financial desktop application using **Visual Studio 2022**, **C#**, **ASP.NET**, and **SQL Server**. Designed UI with **WPF**, providing transaction history, fund transfers, and account access.