JEJOMAR **PARRILLA**

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Summary

Full-Stack Developer with hands-on experience in MERN and Laravel + Vue.js. I can develop full applications from scratch or quickly adapt to an existing codebase. I'm committed to delivering high-quality work, clean architecture, and stable, scalable features.

Work Experience

Atula Solutions (via Upwork)   **(Remote)**
FREELANCE FULL STACK DEVELOPER   *Sep 2025 – Present*

- Delivered API creation, integration, and maintenance for a **MERN**-based system, ensuring consistent performance and stability.

- Migrated backend logic from Heroku to AWS EC2, improving deployment reliability and reducing overall downtime.

- Implemented dashboard analytics with advanced filtering and processing of deeply structured data.

- Managed backend and frontend deployments through AWS EC2 and AWS Amplify.

- Built statistical report generation features for a childcare management platform, including downloadable PDF and Excel exports.

- Designed and developed an end-to-end mental health triage platform from the ground up, including full system diagrams, data models, backend and frontend architecture, and complete functionality.

- Created a secure role-based access system for three main user types with full permission layers and optimized data flows.

- Developed the landing page, core triage features, diagnosis module, admin controls, and organization-level management with scalable structure ready for payment integration.

ROK (Revolution of Kitten Inc.)   **Ormoc & Cebu (Remote + Onsite)**
SOFTWARE ENGINEER INTERN   *Feb 2025 – June 2025*

- Contributed to three major projects (Azusa, Architwin Basic, Architwin Lib) focused on 3D visualization, feature development, and system optimization using **Vue.js, Typescript, Web2py (DAL), Matterport SDK, and Three.js**

- Developed and enhanced frontend features in **Vue.js**, improving responsiveness and UX across devices.

- Debugged and optimized **Matterport SDK** and **Three.js** integrations, resolving transform control and object rendering issues for smoother 3D interactions.

- Improved loading performance by optimizing object handling and implementing efficient caching strategies.

- Enhanced mobile responsiveness, dynamic tag behavior, and panel movement for *Architwin Lib*.

- Collaborated within an **Agile workflow** using GitLab (version control) and Redmine (sprint planning).

Projects

Crime Guard System   *Laravel 10, Vue 3 (Options API), Tailwind CSS, Google Maps API, MySQL*

- **Problem:** Reporting and analyzing crimes in Ormoc was inefficient, relying on manual processes.

- **Solution:** Built a real-time SPA with automated reporting, crime heatmaps, predictive analytics, and incident tracking. Used MVC + DTO patterns for scalable design and Google Maps for location.

- **Impact:** Awarded Capstone Project of the Year 2025. Deployed on cPanel and adopted in academic competitions as a benchmark project. Reduced crime-reporting process time from minutes to a single click.

- https://github.com/Je-Joestar24/CrimeGuard

AskJejo   *Laravel 12, Vue 3 (Composition API), Docker, PostgreSQL, Groq API*

- **Problem:** Students and professionals needed a fast, centralized platform for Q&A and learning.

- **Solution:** Developed a full-stack chat and knowledge-sharing app with Laravel Sanctum authentication and SPA frontend. Dockerized for portability, integrated Groq API with LLaMA models for AI-powered Q&A, and Markdown support for clean formatting.

- **Impact:** Delivered a modular, production-ready platform. Showcased how AI integration enhances learning platforms in real-world use cases.

- https://github.com/Je-Joestar24/askjejo

Technical Skills

Strongest Areas: Problem-Solving, Modular Development, System Design, API Integrations
Core Stack: Laravel (REST APIs, Eloquent ORM, Queues, Middleware, Authentication, Scalability) | Vue.js (Composition API, Pinia, Vue Router, SPA Architecture) | MERN Stack (MongoDB, Express.js, React, Node.js)
Programming: PHP, JavaScript (ES6+), Typescript, Python, Java, SQL
Frontend: Tailwind CSS, Oruga-UI, Responsive Design (Flexbox, Grid), Web Animations
Backend & Architecture: MVC, DTO, Modular Development, Clean Architecture, System Design
Databases: MySQL, MariaDB, PostgreSQL, MongoDB (ERD & 3NF Design, Query Optimization)
Cloud & DevOps: AWS EC2, Linux Server Management, Docker, Apache, Nginx, Git (branching, rebasing, conflict resolution), GitHub, GitLab, Redmine, VS Code
APIs & SDKs: Google Maps API, Groq API, Matterport SDK, Three.js, Spoonacular API, LocalStorage, Google Books API

Education

Western Leyte College of Ormoc – Ormoc City, Philippines
BACHELOR OF SCIENCE IN COMPUTER SCIENCE
Graduated: July 11, 2025 | **Magna Cum Laude**

Awards & Honors

- Programmer of the Year – 2025
- Capstone Project of the Year – 2025
- Top 5% Programmer Nationwide – CodeChum Academy
- Excellence in Programming – July 2023
- EVCO Champion – Oct 2024 | 3rd Place – Oct 2023
- National IT Competitor (iSite & CodeChum) – Java & Python Tracks (2023–2025)