Lance Khristian B. Manalo

Junior Full-Stack Developer · AI-Assisted Development with Claude Code

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SUMMARY

Full stack developer and BS IT graduate with professional experience building web apps and a CMS in PHP, JavaScript and MySQL. Uses Claude Code daily to build working tools, and reviews and tests AI-generated code before accepting it. Has delivered internal tools and process automations for businesses, schools and parishes.

EXPERIENCE

Freelance Web Developer, Video Editor & Virtual Assistant · Remote Mar 2025 – Present

- Built and maintained websites and web tools for clients; also edited client videos and handled virtual assistant admin.

Full Stack Developer · MegaMobile Inc. Sep 2024 – Feb 2025

Marketing technology company building digital promos, chatbots and mobile campaigns for brands.

- Developed and maintained promo web applications and a content management system (CMS) in PHP (CodeIgniter), JavaScript/jQuery and MySQL, front end to back end.
- Built client-side features with HTML, CSS/Bootstrap and JavaScript for web campaigns across multiple platforms.
- Contributed to the development of the company's core products and service packages.
- Worked with partners and clients on campaign requirements, both on-site and remotely.

IT Staff / Programmer Intern · Palace Computer Enterprises Feb 2024 – May 2024

- Built an internal inventory system used by multiple staff at once, reducing data-entry errors.
- Automated delivery, pull-out and purchase order creation, with project tracking for inventory items.

FEATURED PROJECT

AI Office – multi-agent automation system built with Claude Code Node.js, JavaScript, HTML Canvas, PowerShell, Git

- Built a local web app that runs teams of Claude Code agents (content, job search, client outreach, bookkeeping, QA) and shows their live activity in an animated 3D office.
- Connected Claude Code hooks to a Node.js server that tracks every agent's tool use, and added a chat that routes each request to the right agent.
- Automated business workflows: an approval inbox collected from team files, a scheduled morning run, desktop notifications, and Git snapshot backups every 10 minutes.
- Added a QA agent that reviews AI output against written rules before it reaches a human, plus a shared lessons file so agents stop repeating mistakes.
- Kept AI-generated code under review: tested changes in a headless browser, audited third-party AI skills before installing them, and kept agents from sending, posting or paying without approval.

OTHER PROJECTS

Lingo & Lingo Extended TypeScript, SCSS, HTML, JavaScript · Java, Kotlin

Mobile app for learning sign languages, extended with voice recognition that translates speech into sign language. **Won Best Social Impact** at the Technovation Summit, Batangas State University.

Online Reservation Systems & Student Portals 2 parishes · 2 national high schools

Booking systems for church events (Immaculate Conception Batangas, Most Holy Trinity Parish), with n8n workflows automating the booking process, and portals for students, teachers and admins (Alitagtag NHS, Batangas NHS).

TECHNICAL SKILLS

AI-assisted development: Claude Code (CLI, hooks, skills, headless runs), prompt and agent design, reviewing and testing AI-generated code

Languages: JavaScript, TypeScript, HTML, CSS/SCSS, SQL, PHP, Python, Java

Frameworks & runtimes: React, Angular, Node.js, CodeIgniter 3 & 4, Django, jQuery, Bootstrap

Databases: MySQL, PostgreSQL, SQLite

Workflow automation: n8n (built reservation system workflows), PowerShell, Task Scheduler

Tools & cloud: Git, VS Code, Microsoft 365, XAMPP, FileZilla, Android Studio, AWS

EDUCATION & CERTIFICATIONS

BS Information Technology, Batangas State University, Alangilan · Dean's Lister Aug 2020 – Aug 2024

AWS Academy Graduate – Cloud Foundations and **Cloud Architecting**, Amazon Web Services Apr 2024