

# Lester Antonio

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## PROFESSIONAL SUMMARY

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Front-end developer with 5 years of experience in building scalable web applications using React and Next.js. Knowledgeable in REST API integration, research and development of emerging web technologies, and working closely with cross-functional teams. I had the opportunity to contribute to a revenue-generating marketing service platform, where I helped deliver user-facing features that supported the company's growth and business goals. Currently exploring and expanding my skills into AI Agents and MCPs to build context-aware, tool-augmented applications.

## WORK EXPERIENCE

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Mid Front-End Developer | [QualityTrade Asia Corp.](#)

Manila, Philippines • August 2021 – Present

- Built and maintained a strategic web solution aligned with core business requirements, working closely with team leads throughout the development lifecycle.
- Integrated REST APIs to establish reliable data communication between front-end interfaces and back-end services.
- Led the implementation of micro front-end architecture using Module Federation, enabling independent deployment of feature modules within a shared project framework.
- Worked alongside UI/UX designers and back-end engineers to deliver consistent, user-focused product features.
- Contributed to the structural planning of system features, translating business needs into technical specifications.
- Mentored junior developers through code reviews, technical guidance, and hands-on collaboration.

Full-Stack Developer | [TekiGadgets](#)

Manila, Philippines • September 2020 – October 2020

- Developed a full-stack e-commerce platform for reselling Apple devices, covering storefront, cart, and checkout flows.
- Designed responsive UI layouts for the dashboard, product pages, and cart system.
- Built an admin panel to manage product listings, orders, pricing, availability, and a voucher/discount system.

## PROJECT HIGHLIGHT

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Full-Stack Developer | [Barangay Emergency System](#)

Manila, Philippines • March 2021 – June 2021

- Developed a cross-platform Android and web application for automating emergency incident reporting at the barangay level.
- Integrated Google Maps API and Firebase for real-time emergency tracking and location visualization.
- Built an in-app notification system for incident status updates and responder feedback.
- Designed an intuitive interface to ensure fast, accessible use during high-stress emergency scenarios.

## CURRENTLY LEARNING

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### AI Agents & Model Context Protocol (MCP)

- Studying AI agent architecture like how autonomous agents plan, reason, use tools, and execute multi-step tasks with or without human input.
- Learning MCP (Model Context Protocol), the open standard developed by Anthropic that allows AI models to communicate with external tools, APIs, and data sources through a structured interface.
- Building small proof-of-concept integrations connecting MCP servers to front-end workflows, exploring how LLMs can access local files, web APIs, and custom logic in a controlled way.
- Exploring how front-end applications can act as MCP clients or hosts, enabling AI-assisted interfaces that pull live context from connected services.
- Interested in applying agent-based thinking to UI development dynamic components that respond to tool outputs, fetch real-time data, and adapt to user intent.

## EDUCATION

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### Diploma in Information Communication Technology

*Polytechnic University of the Philippines • August 2018 – July 2021*

### Technical Vocational Livelihood (TVL) – Senior High School

*AMA Computer College • August 2016 – March 2018*

## SKILLS & TOOLS

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Languages: JavaScript, TypeScript, HTML, CSS, Sass, PHP

Frameworks & Libraries: React, Next.js, Node.js, Framer Motion, Lottie, Material UI, Bootstrap, Module Federation

Tools & Platforms: Git, GitHub, Firebase, Webpack, Figma, Adobe Photoshop, Adobe Illustrator

Methodology: Agile (Scrum)

Exploring: AI Agents, MCP (Model Context Protocol), LLM Tool Use, Prompt Engineering

Interests: Graphic Design, Web3, Blockchain, Game Development, Microservices, Animation, Film & Media