Christian Marcellana Mercado

Senior Software Engineer | AI Automation

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PROFESSIONAL SUMMARY

Senior Software Engineer with 10+ years of experience building and modernizing web applications using React, TypeScript, PHP, and NetSuite SuiteScript. Combines frontend-focused full-stack development with test automation and AI-assisted engineering. Builds reusable Codex workflows and local tools for investigation, test planning, code review, and engineering visibility. Experienced in technical leadership and mentoring.

TECHNICAL SKILLS

Languages and frameworks: JavaScript, TypeScript, PHP, Python, SQL, HTML, CSS, React, Next.js, Angular, Laravel, Zend Framework

Platforms and data: NetSuite Field Service Management (FSM), SuiteScript 1.0 and 2.1, MySQL, SQL Server, Supabase

Testing and delivery: Playwright, Jest, unit testing, end-to-end testing, regression testing, Git, GitLab, REST APIs, Jira, Confluence

AI and automation: OpenAI Codex, agentic workflows, reusable AI skills, prompt engineering, context management, AI-assisted code review and testing

PROFESSIONAL EXPERIENCE

Senior Application Software Engineer

Oracle NetSuite, Philippines | May 2024 - Present

- Design AI-assisted engineering workflows for requirements analysis, implementation, test planning, and independent code review.
- Build reusable AI tools for test-plan creation and review, defect intake, and browser-based validation using project requirements, technical documentation, and repository context.
- Establish context management, specialist handoffs, source verification, and human approval checkpoints to keep AI-generated work traceable and reviewable.
- Create reusable documentation and a test-plan template, reducing preparation time from several days to under 2 hours.
- Modernize legacy application components and shared data adapters, and expand automated regression coverage for business workflows and deployment configuration.
- Mentor 2 new hires, reducing onboarding ramp-up time by an estimated 8 weeks per hire; contribute to sprint planning and peer reviews.

Software Engineer

Lamudi Technical Services Corp. | July 2021 - March 2024

- Led a mobile-first application revamp over 4 sprints, reducing page-load time by approximately 50%, measured with Lighthouse, and restoring a broken mobile experience.
- Served as the primary frontend resource for technical guidance and code reviews; resolved production defects and upgraded React and related dependencies.

PROFESSIONAL EXPERIENCE CONTINUED

Software Engineer II

Digital Room (Philippines) Inc. | March 2018 - June 2021

- Led the migration of 1,000+ pages across 6 websites over 10 sprints, including conversion of serialized objects to JSON.
- Modernized an internal CMS for SEO pages during the migration from jQuery to Angular.
- Guided frontend technical direction for a 4-person junior developer team over 3 years, supporting sprint delivery, code quality, and continuous improvement.

Software Engineer I

Digital Room (Philippines) Inc. | March 2016 - March 2018

- Built and maintained internal and customer-facing applications using Bootstrap, jQuery, Backbone.js, and AngularJS.
- Developed e-commerce features with Zend Framework 2 and internal administration tools with Zend Framework 1, focusing on performance, SEO, and operational workflows.
- Wrote migration scripts and optimized database queries to execute in under 1 second; supported onboarding and delivery within a 3-person team.

Web Development Intern

Emerson Electric (Asia) Ltd. - ROHQ | November 2015 - March 2016

SELECTED AI AUTOMATION PROJECTS

Engineering Workflow Dashboard | Python, JavaScript

- Built a local dashboard to track AI-assisted engineering tasks across projects, including workflow stages, review findings, and delivery evidence.
- Implemented an explicit report registry with revision checks, file locking, and atomic writes to prevent conflicting updates; added automatic refresh that preserves the selected task and open evidence.

AI Usage Reporting | Python, HTML, CSS, JavaScript

- Built a local Codex usage dashboard with weekly and monthly reports covering token usage, cache accounting, and API-equivalent cost estimates.
- Added handling for duplicate and inherited usage records, missing data, and reporting boundaries; processed usage metadata without exporting conversation message bodies.

EDUCATION

Bachelor of Science in Information Technology | Cum Laude

Polytechnic University of the Philippines | Sto. Tomas, Batangas | 2012 - April 2016