

Neil Christopher P. Gipaya

Senior Full Stack Engineer & AI Team Lead

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PROFESSIONAL SUMMARY

Results-driven Senior Full Stack Engineer and AI Team Lead with 10+ years of progressive software development experience across fintech, real estate, GIS, construction, and AI-driven product domains. Proven expertise in architecting and delivering scalable full-stack systems using modern JavaScript frameworks, PHP, Python, and cloud DevOps pipelines. Adept at leading cross-functional engineering teams, conducting code reviews, and driving AI/ML integrations including LLMs, RAG pipelines, and agentic development. Experienced in Agile/Scrum methodologies and delivering production-ready systems for both local and international clients.

CORE COMPETENCIES

- Full Stack Web Development (Frontend & Backend)
- AI/ML Integration: LLMs, RAG, Agentic Systems, TensorFlow, OpenCV, PyTorch
- Team Leadership, Code Review & Mentorship
- RESTful API & Microservices Architecture
- Cloud DevOps: Azure DevOps, CI/CD Pipelines
- Database Design: MySQL, relational modeling
- GIS Systems & Google Maps API Integration
- Agile/Scrum, Sprint Planning, Retrospectives
- Machine Learning & Image Processing Algorithms
- IoT & Embedded Systems: Raspberry Pi, Arduino, LoRa

TECHNICAL SKILLS

Frontend: React, React Native, Vue.js, Angular.js, Flutter, jQuery, Bootstrap, Styled Components

Backend: PHP (Laravel, CodeIgniter), Python (Django), Node.js, REST APIs, Flask, FastAPI

AI/ML: TensorFlow, OpenCV, ALPR, Large Language Models (LLM), RAG, RLM, Agentic Development

Mobile: Flutter, React Native, Android (Java), Swift, Apache Cordova, Framework7

Languages: JavaScript, PHP, Python, C, C++, Assembly (8086)

DevOps & Tools: Azure DevOps, Git, PHPStorm, Android Studio, Xcode, Visual Studio

Databases: MySQL, PostgreSQL, MongoDB

Operating Systems: Windows, macOS, Linux (Ubuntu, Kali, Debian, Raspbian)

IoT & Hardware: Raspberry Pi, Arduino, LoRa, Modbus TCP, Redux Saga

PROFESSIONAL EXPERIENCE

AI Developer

NP Nutra | April 2025 – April 2026

- Design and deliver production-ready AI-powered systems for business operations.
- Defined system architecture for AI applications integrating LLMs, RAG pipelines, and agentic workflows.
- Collaborated with stakeholders on planning, sprint execution, and iterative delivery.
- Mentored developers on AI/ML best practices and modern software engineering standards.

Senior Full Stack Engineer

Freedom (h.ki) | October 2024 – June 2025 | Remote

- Developed and maintained the h.ki web platform, implementing real-time collaboration features similar to Google Docs.
- Resolved critical production bugs and delivered new feature modules to improve user experience.
- Worked closely with product and design teams to align technical implementation with business requirements.

Senior Full Stack Engineer

Remote Philippines (Qarbon Technologies) | February 2024 – October 2024 | Remote

- Built backend APIs and frontend portals for a datacenter management platform that unified multiple datacenter service interfaces.
- Enhanced product UI by integrating multiple data APIs and feature modules.
- Collaborated with distributed teams across design, backend, and QA to ship production-ready releases.

Technical Team Lead

BCS Technologies | July 2021 – August 2023

- Led a team of developers and QA engineers across multiple client projects, overseeing all phases from planning to deployment.
- Established code review processes and quality standards to ensure consistent, maintainable codebases.
- Automated deployment pipelines using Azure DevOps, improving release frequency and reliability.
- Provided technical guidance and hands-on support to junior and mid-level developers on complex features.

Senior Web Developer

PASKR | March 2021 – July 2021 | Remote (US Client)

- Enhanced PASKR's CRM platform for US-based construction companies, resolving bugs and adding new modules.
- Improved system functionality for day-to-day task management and client retention workflows.

Solutions Developer

Navagis Inc. | November 2019 – March 2021

- Developed and maintained GIS-based systems leveraging Google Maps API for enterprise clients.
- Built client-requested modules and ensured quality through close collaboration with QA and project management.
- Maintained and improved existing platform functionality for long-term client relationships.

PHP Developer

Lamudi Philippines | April 2019 – October 2019

- Developed and improved modules for the Lamudi classified ads web platform, a top real estate marketplace.
- Contributed to UI/UX development and core functionality improvements based on product roadmap tickets.
- Worked in an Agile environment with cross-functional product, design, and QA teams.

Lead Software Engineer & Bootcamp Instructor

Aviarthard Software Solutions | November 2017 – March 2019

- Led development of core modules for multiple client systems, making key technology stack decisions.
- Mentored junior and entry-level developers, translating business requirements into technical solutions.
- Conducted training seminars for students and corporate clients on Machine Learning, AI, and emerging technologies.
- Guest speaker at 6+ universities and colleges on topics including Raspberry Pi, Image Processing, NLP, and IoT.

Associate Software Engineer

Accenture Philippines | April 2017 – October 2017

- Served as Oracle Cloud Functional Consultant for the Procurement module.
- Handled configurations related to sales management, delivery tracking, and supply chain for enterprise clients.
- Collaborated in a structured team environment following Accenture delivery methodologies.

Intern Programmer

National Youth Commission, Office of the President | July 2016 – September 2016

- Built a document tracking system from the ground up using Laravel 5.2 to digitize document routing across the organization.
- Implemented role-based access control with head approver assignment and departmental routing features.

Junior PHP / Web Developer

Freelance | 2014 – 2016

- Contributed to HRIS and Payroll System development as a junior developer under team lead direction.
- Participated in weekly Scrum meetings and sprint retrospectives, gaining early exposure to Agile practices.

KEY PROJECTS

Device Infrastructure Management System

Stack: PHP (Laravel), Vue.js, Python (Django), MySQL

- Real-time monitoring of UPS and Battery infrastructure via Modbus TCP protocol, analyzing voltage, ampere, and power levels.
- Led development of device polling module and supported mid/junior developers across feature tickets.

HRIS and Payroll System

Stack: PHP (Laravel), jQuery, Vue.js, MySQL

- End-to-end HR platform covering online timesheets, leave management, payroll, and billing for organizational reporting.
- Initiated and led full module development in collaboration with QA and Project Manager.

Manpower Management System

Stack: PHP (Laravel), Vue.js, MySQL, Apache Cordova

- Multi-store manpower assignment tracker with attendance monitoring, store booking, and audit reporting.

Online Betting Platform

Stack: PHP (Laravel), Vue.js, Python, MySQL

- Full platform development from betting console through agent management to admin dashboard, including e-wallet and cash-in/out functionality.

EDUCATION

Bachelor of Science in Information Technology

Our Lady of Fatima University, Quezon City | 2013 – 2017

SPEAKING ENGAGEMENTS & ACHIEVEMENTS

- Guest Speaker, Asia Pacific College Makati – Image Processing with OpenCV on Raspberry Pi (Jan 2018)
- Guest Speaker, Asian College Quezon City – Automation with Raspberry Pi (Feb 2018)
- Guest Speaker, AMA University Fairview – Raspberry Pi & Image Processing Applications (Feb 2018)
- Guest Speaker, ABE College International Caloocan – Arduino & Raspberry Pi Programming (Mar 2018)
- Guest Speaker, Batangas State University – NLP and Image Processing in Human-Computer Interaction (Nov 2018)
- Guest Speaker, Collegio de Montalban – Machine Learning, IoT with Arduino, Python & Raspberry Pi (Feb 2019)