

VINCENT LAYON

Full-Stack Software Engineer & Conversational AI Specialist

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PROFESSIONAL SUMMARY

Results-driven Full-Stack Software Engineer and Conversational AI Specialist with a proven track record of architecting over 18+ production-grade enterprise systems and 11 custom AI models. Uniquely combines deep technical expertise in modern web frameworks (React, Laravel) with 3 years of corporate sales experience, enabling seamless translation of complex business requirements into highly scalable, user-centric software solutions. Two-time Hackathon Champion known for rapid execution, elite debugging, and pioneering localized Small Language Model (SLM) architectures.

PROFESSIONAL EXPERIENCE

Freelance Full-Stack & AI Developer

Independent Consultant

11/2023 – Present
Negros Occidental, PH

- Architected and deployed 18+ functional enterprise systems for various clients, including Inventory Management, Payroll, and Online Examination platforms using Laravel, PHP, and MySQL.
- Engineered the proprietary PVI Bot Ecosystem, a custom Small Language Model (SLM) architecture featuring 11 distinct AI companions with emergent emotional intelligence and localized offline processing capabilities (Alpha Protocol).
- Integrated advanced 3rd-party APIs, including Generative AI models and Microsoft Azure Cognitive Services (Text-to-Speech), drastically improving user engagement and accessibility.
- Designed complex, gamified web applications featuring real-time multiplayer probability logic and global websocket-based communication networks.

Corporate Sales Agent

CHME Inc. (PLDT) & GNP1 Inc. (Globe Telecom)

06/2021 – 01/2025

- Analyzed client requirements and provided targeted technical solutions, driving high-volume sales for telecommunications services.
- Awarded "Outstanding Performance" twice (Dec 2022, Dec 2024) for exceeding operational KPIs and maintaining high client retention rates.
- Bridged the gap between technical service capabilities and end-user comprehension, honing expert-level stakeholder communication skills.

EDUCATION

Bachelor of Science in Information Technology (BSIT)

State University of Northern Negros, Old Sagay Campus

Expected Graduation: 2027

2023 – Present

TECHNICAL SKILLS

Languages

JavaScript (ES6+), PHP, HTML5, CSS3, SQL

Databases & Cloud

MySQL, Firebase, RESTful API Integration

Tools & Methodologies

Git, GitHub, VS Code, Postman, Agile/Scrum, Object-Oriented Programming (OOP), MVC Architecture

Frameworks & Libraries

React.js, React Native, Laravel (11/12), Tailwind CSS, Bootstrap 5

AI & Architecture

Conversational AI, LLM/SLM Architecture, Prompt Engineering, NLP, Microsoft Azure TTS, Web Speech API, Role-Based Access Control (RBAC)

KEY PROJECTS

J.E.T.T. (Joyful Expressive Talking Teammate) & PVIBot Architecture <i>Tech Stack: JavaScript, Web Speech API, MS Azure TTS, Custom SLM Logic</i> Developed a flagship Vision AI companion with spontaneous camera perception, dynamic digital eyes, and an innovative REM Sleep Protocol. Built an offline-capable "Alpha Protocol" fallback to guarantee zero latency and 100% uptime during server outages.	07/2026 – Present
School Asset & Payroll Information Systems <i>Tech Stack: Laravel 12, PHP, MySQL, Tailwind CSS, Bootstrap 5 (Enterprise Division)</i> Engineered a suite of full-stack organizational tools for educational and corporate institutions. Features include automated tax/government deductions, robust audit trails, and strict Role-Based Access Control (RBAC) covering the full HR and asset lifecycle.	01/2026 – Present
Safe Mind Campus Mobile Application <i>Tech Stack: React Ecosystem, Firebase, Custom Heuristic Algorithms</i> Architected a comprehensive campus security and mental health tracking mobile app. Integrated native background screen-time tracking, algorithmic stress/fatigue level inference, live professor monitoring dashboards, and a centralized one-tap emergency SOS alert system.	06/2026 – Present
Icie Wifi Portal & Economic Ecosystem <i>Tech Stack: JavaScript, React Ecosystem, Firebase, Mathematical Probability Engines</i> Built a highly complex, gamified WiFi captive portal. Engineered a real-time global community messenger (with live typing indicators), a custom PvP arena with specialized logic, and an advanced investment simulator featuring dynamic win/loss asset growth rates that self-adjust every 10 seconds.	11/2024 – Present
Online Quiz, Examination & ID Management Platforms <i>Tech Stack: PHP, Laravel, MySQL, Bootstrap</i> Developed a production-grade, Google Classroom-style educational platform with automated grading logic. Integrated a complete School ID Management System (SIMS) featuring ID generation and secure multi-level access permissions for students and admins.	01/2026 – Present
HatidGawa Collaborative Platform <i>Tech Stack: PHP, MySQL, JavaScript (Hackathon Winning Project)</i> Co-developed an award-winning platform featuring "Gabay," an integrated teachable AI assistant designed to aid non-technical users. Secured 1st Runner-Up out of multiple competing university teams.	03/2025 – 05/2025

AWARDS & RECOGNITION

1st Runner-Up, Programming Challenge <i>State University of Northern Negros Hackathon</i>	05/2024 – 04/2025
Recognition of Outstanding Performance (Sales) <i>CHME Inc. / PLDT & GNP1 Inc. / Globe</i>	12/2022 – 12/2024
Certificate in PHP Programming & Web Development <i>DTI Philippines & Ethel Programming Services</i>	11/2025