Jom Karlo Verzosa

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EDUCATION

Cavite State University – Silang Campus Expected July 2026
Bachelor of Science in Computer Science

EXPERIENCE

Software Development Intern Hybrid
Sprout Solutions July – September 2025

- Developed and maintained internal automation tools using Python and FastAPI, building RPA bots that reduced payroll variance reconciliation from hours to seconds.
- Updated frontend and backend code to support new RPA bots, including database migrations and integrations using FastAPI, PostgreSQL, and Azure Durable Functions.
- Pioneered RPA Hub frontend revamp using Vue.js, TypeScript, and Tailwind CSS, implementing reusable, strongly typed components based on real backend data models and wireframes.

Full Stack Developer Remote
Freelance June 2024 - April 2025

- Developed and deployed 2 full-stack applications, serving as the sole backend developer using Node.js, Express.js, TypeScript, and MongoDB, while contributing to Next.js frontends.
- Built and deployed an automotive service management platform supporting 10+ daily users, streamlining booking workflows and internal administrative operations.
- Implemented secure authentication and role-based access control (RBAC) with super admin, admin, and user roles using JWT, Google OAuth2, and secure cookies.
- Developed an internal admin workflow system for quotation, invoicing, and automated client email notifications.
- Managed production deployments on Vercel and Render.

Web Developer Intern Remote
Cleaningly September – December 2023

- Built and maintained Node.js, Next.js and Express.js applications using JavaScript and MongoDB, delivering 20+ production tickets within 3 months.
- Pioneered an email template builder with dynamic placeholder logic, enabling clients to generate templates automatically instead of manually configuring each field.
- Earned an offer to return as a part-time developer starting January 2024, based on performance during the internship.

PROJECTS

SZN Shop Repositories: frontend, backend
Team Project (Lead)

- Led the development of a full-stack e-commerce prototype, implementing authentication, product catalog management, customization features, and order processing using React, TypeScript, Express, and MongoDB.

Phoenix Hub Repository: frontend/backend
Team Project (Lead)

- Led the development of a multi-organization online marketplace featuring 11 university organizations, implementing product management, admin dashboards, and secure student-only authentication using CodeIgniter4, PHP, and MySQL.

KeyBud (*www.keybud.jomkv.tech*) Repositories: frontend, backend
Personal Project

- Built and deployed a social media app for keyboard enthusiasts, serving 10+ users with secure OAuth2 authentication and real-time messaging using React.js, Express.js, MongoDB, TypeScript, and Bootstrap.

SKILLS

Languages and Frameworks: TypeScript, JavaScript, React.js, Next.js, Node.js, Express.js, Vue.js, FastAPI, PHP, CodeIgniter4, Python
Databases: PostgreSQL, MySQL, MongoDB
Libraries and Tools: Git, Tailwind CSS, shadcn, Bootstrap, Material UI, Azure Durable Functions, PayMongo, Vercel, Render