

Ruther M. Bergonia

Full-Stack Software Engineer / Systems Architect

Business Systems • Workflow Automation • API & AI Integrations

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer and Systems Architect with 9+ years building connected business systems for university administration and SaaS clients: centralized databases, role-based access control, workflow and ticketing automation, system-to-system integrations, and AI-assisted assistants built on the Claude, OpenAI, and Gemini APIs. Lead developer of institution-wide platforms at the University of the Philippines Manila. Experienced in taking an already-mapped business process and turning it into a working, deployed, documented system — from database design and Laravel APIs to Vue/React interfaces, Docker/Linux deployment, scenario testing, and owner/end-user training.

PROFESSIONAL EXPERIENCE

Research Grants Administration Office, University of the Philippines Manila

Pedro Gil, Manila

Lead Software Engineer / Systems Architect (Senior Administrative Assistant II)

September 2025 – Present

- Lead the architecture and development of SURI (System for University Research Intelligence), a university-wide platform used by 50+ active users as the central system of record for research administration workflows.
- Designed the database architecture supporting 15,000+ institutional research records, including 200+ actively managed research projects under RGAO oversight.
- Built Laravel REST APIs, authentication services, workflow automation modules, and reporting services that move records and tasks between administrative processes.
- Integrated enterprise authentication, role synchronization, and system-to-system interoperability with other institutional platforms.
- Manage production deployments, release management, database operations, and technical documentation.
- Work directly with researchers, administrators, and university stakeholders to translate business requirements into scalable, maintainable software.

National Graduate Office for the Health Sciences, University of the Philippines Manila

Padre Faura, Manila

Senior ICT Assistant

June 2021 – September 2025

- Developed DRMS (Database Records Management System) as the centralized database for graduate admissions records and administrative workflows.
- Designed and implemented ARAL (Academic Resources and Assistance for Learning), supporting approximately 1,000 graduate applicants annually.
- Built inquiry management and ticketing workflows that route and track approximately 200 support requests per month.
- Architected APIs, database schemas, reporting systems, and role-based access control.
- Led deployments, stakeholder consultations, end-user training, and post-deployment support for each system.

Independent Contractor

Remote

Software Developer

March 2025 – Present

- Architected a multi-tenant SaaS platform enabling organizations to manage and publish digital advertisement catalogs from a shared, tenant-isolated database.
- Developed Laravel APIs, Vue.js frontends, cloud storage integrations, and deployment pipelines.
- Designed tenant management and content publishing workflows, delivered and maintained as an external contractor.

Crosshair Technologies and Solutions Co.

Makati, Philippines

Fullstack Developer

2018 – 2020

- Built a targeted advertising application on a Yii2 (PHP) backend that served ads based on audience demographics such as location and age.
- Developed cross-platform mobile apps for the platform using PhoneGap (Apache Cordova) and managed the application's servers.

- Developed and maintained the company's Job Order Portal and company website.

SELECTED PROJECTS

ARIA — Academic Research Information Assistant

- Built a Claude-powered conversational assistant integrated into institutional support workflows, handling client inquiries before human handoff.
- Implemented a controlled-response architecture that restricts answers to approved organizational information, with AI-assisted ticket creation, inquiry submission, and OTP-based retrieval workflows.

SURI — System for University Research Intelligence

- Centralized research information system covering registration, monitoring, reporting, and institutional analytics, built on Laravel, Vue.js, MySQL, and enterprise authentication integrations.
- API-first architecture with authentication workflows and reporting modules designed for interoperability with other systems.

RACE — Research Assistant Coordination Engine (in development)

- Coordination platform connecting SURI, ARIA, and future research services into one ecosystem, focused on workflow orchestration, institutional knowledge access, and AI-assisted research support.

TECHNICAL SKILLS

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

Backend & APIs: Laravel, Yii2, REST APIs, Webhooks, Authentication & Authorization, Role-Based Access Control, Workflow Automation

Frontend & Mobile: Vue.js, React, Next.js, Tailwind CSS, PhoneGap (Cordova)

Databases: MySQL, Database Design, Query Optimization

AI Integrations: Claude (Anthropic) API, OpenAI API, Gemini API, Prompt Engineering, Controlled-Response Assistant Design

Infrastructure & Integrations: Docker, Linux, Nginx, Server Administration, Deployment Automation, Cloud Storage Integrations, Git

Delivery: System Documentation, Scenario-Based Testing, Stakeholder Consultation, End-User Training

EDUCATION

Lyceum of the Philippines University Manila

Bachelor of Science in Information Technology via ETEEAP — currently completing degree requirements

AMA Computer Learning Center

Computer Systems Design and Programming (two-year course)

San Jose City, Nueva Ecija