KARLOS SON P. RIVO

2432 Pangasinan, Philippines · +63 906 552 0423
karlosrivo@gmail.com · linkedin.com/in/karlos-son-rivo-8a37bb2a0

PROFESSIONAL SUMMARY

Forward-thinking Lead **Full-Stack Developer** specializing in **scalable web, mobile, and decoupled backend architectures**. Expert in driving technical strategy from concept to deployment, including the integration of AI-powered solutions. Proven track record of architecting deep, robust systems and delivering premium, high-impact platforms using Node.js, Flutter, TypeScript, and Python.

WORK EXPERIENCE

Gig Groove Hub – Full-Stack Developer **Dec 2025 – Sep 2026**

- **Designed and developed web and mobile applications**, delivering responsive and reliable user experiences across multiple devices and platforms.
- **Developed an end-to-end delivery application**, implementing order processing, backend services, and API integrations supporting **multiple core features.**
- **Built and deployed responsive business websites**, helping companies strengthen their online presence and provide customers with easier access to services, information, and contact channels.
- **Improved application performance** through code refactoring, debugging, modular architecture, and optimization across key application screens.
- **Collaborated with designers, developers, and stakeholders across projects**, contributing to feature planning, testing, debugging, and delivery throughout multiple development cycles.

PROJECT EXPERIENCE

FinShield – Role-Based Invoice Management & Verification Platform for SMEs
`Next.js | TypeScript | Node.js | Express | PostgreSQL | Python | Redis/BullMQ | S3 | Polygon`

- Developed a **role-based invoice management and verification platform for SMEs**
- Implemented **invoice processing, refunds, credit memos, reporting, and company/branch management.**
- Integrated **secure S3 document storage, QR/PDF verification, and document-change detection.**
- Added **Polygon blockchain anchoring and audit logging for invoice** integrity and traceability.
- Used **Redis/BullMQ and Python services** for asynchronous document processing and operational workflows.

DaguConnect – Tradesmen Booking & Job Marketplace Platform
`Jetpack Compose | PHP | MySQL | Kotlin`

- Developed a platform that **connects clients with skilled tradesmen** such as plumbers and roofers.
- Enabled clients to **book tradesmen directly or post job opportunities**.
- Allowed tradesmen to **browse and apply for jobs matching their skills**.
- Implemented **client-to-tradesman chat** for direct communication and job coordination.

CarbonSense – Carbon Footprint Tracking Web Application
`Express.js | MongoDB | Python | Node.js | Cag/Rag | Next.js | FastApi`

- Developed a web application for users to **track and analyze their carbon footprint**.
- Calculates emissions from activities such as **transportation, diet, and energy consumption**.
- Implemented **AI-driven recommendations** for more environmentally friendly alternatives.
- Added **achievements, progress tracking, and dashboard visualizations** to encourage sustainable habits.
- Designed the platform to **promote environmental awareness and carbon-emission reduction**.

AnchorWatch – FinTech Stablecoin Monitoring Platform
`Python | FastAPI | MongoDB | Flutter | Ollama | MongoDb`

- Developed a **FinTech monitoring platform** for tracking stablecoin and USDC-related financial activities with analytics and alerts.
- Engineered **backend services using Python and FastAPI**, integrating MongoDB for efficient financial data management.
- Implemented **AI-powered financial data summarization** to generate structured insights and support financial analysis.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, PHP, Kotlin, Dart, SQL

Databases: MongoDB, MySQL/SQL, PostgreSQL

Web & Mobile: Next.js, React.js/React.ts, Laravel, Hono, Flutter, Jetpack Compose, REST API Integrations

Tools & Platforms: Git & GitHub, Visual Studio Code, XAMPP, Supabase

EDUCATION

- **BS in Information Technology** **2023 – Expected 2027**
- PHINMA University of Pangasinan (Current 4th Year)

CERTIFICATIONS & SEMINARS

eGovPH Hackathon 2026 **Jul 2026**
DICT | Contributor & Participant (SMX Aura)

Code & Conquer: Blockchain **Jan 2026**
System Developer Alliance (Sui, Move, Smart Contracts)

AWS Fundamentals Elective (27 Hrs) **May 2026**
Zuitt Learning Institute (EC2, S3, DynamoDB, Lambda)