

LES JOHN PAUL P. OLIVER

Software Engineer & Solutions Architect

Urdaneta City, Pangasinan, Philippines | lesjohnpauloliver@gmail.com | +63 915 421 3651 | LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

Full-stack engineer with 10 years designing, building, and operating production systems for an electric utility serving 250,000+ consumers. Sole architect of 10+ shipped systems across React, Node.js, Python, C#, and MS SQL Server — replacing third-party vendor solutions and saving ₱8M+ in licensing and consultancy costs. ACS-assessed Software Engineer (ANZSCO 261313), experienced across the full lifecycle: architecture, development, database administration, cloud, and security.

EXPERIENCE

PANELCO III Electric Cooperative

Urdaneta City, Philippines | Mar 2016 – Present

Promoted three times in 10 years, from consumer welfare to sole engineer-architect of the cooperative's core systems.

System Administration Officer / Solutions Architect

Sept 2022 – Present

- **Architected and shipped 10+ production systems end-to-end** as the sole engineer-architect, replacing third-party vendor solutions and saving an estimated ₱8M+ over 3 years.
- **Built a real-time QR event registration platform** (React, Node.js, MS SQL Server, WebSocket) for the cooperative's annual general assembly — 13,000+ attendees checked in across 5 simultaneous venues, cutting registration from ~3 minutes to under 15 seconds per member.
- **Compressed a 4-week, 12-person tax compliance workload into a 2-click Python automation**, eliminating 1,200+ labor hours per cycle across thousands of BIR 2307 forms.
- **Designed real-time Executive Dashboard** (React, Node.js, Chart.js, REST APIs) delivering collection analytics and KPI rollups, shortening monthly executive review cycles by 60%.
- **Administer 4 mission-critical MS SQL Server databases (1.17 TB+)** at 99.9% uptime; recovered a page-corrupted production database with zero data loss verified post-repair.
- **Led migration of production workloads to a 3-node hyper-converged cluster** (ArcherOS, Linux KVM, distributed storage), consolidating physical hardware and strengthening availability and disaster recovery.
- **Modernized the inherited Meter Reading Management System** (Android/Java, C#, MS SQL Server) — upgraded SDK dependencies and refactored legacy code for uninterrupted daily use by field crews across 5 area offices.
- **Hardened network segmentation, endpoints, and incident response**, halving measurable cyber incidents year-over-year; trained 50+ staff on security hygiene.

System Administration Specialist I

Dec 2019 – Sept 2022

- **Shipped Online Billing Inquiry System** (PHP, MySQL, JavaScript) enabling 250,000+ consumers to self-serve billing remotely — reduced in-person service traffic by 35% and saved ~₱2M versus outsourced quotations.
- **Developed web-based electrical rates entry system**, replacing a third-party module quoted at ₱1.2M.
- **Maintained Linux and Windows web servers** with automated backups and monitoring at 99% uptime; managed access controls for Philippine Data Privacy Act compliance.

Consumer Welfare Assistant

Mar 2016 – Dec 2019

- **Built an internal records-management system** automating 80% of manual filing and retrieval, recovering ~20 staff-hours per week.
- **Resolved consumer billing, metering, and service complaints**, lifting measured satisfaction scores by 15%.

SELECTED PROJECTS

- **Partner Integration API** (FastAPI, Python, Docker, MS SQL Server) — middleware replacing manual FTP/SFTP file workflows with real-time partner connectivity; projected to eliminate 30+ hours/month of manual ingestion.
- **FocusCanvas** (Tauri, React, TypeScript, Rust) — cross-platform desktop productivity app with end-to-end product ownership: UX, packaging, and distribution.
- **Earlier production systems (2020–2023)** — share capital certificate issuance, real-time event attendance, membership management with camera/signature capture, and corporate website (PHP, MySQL, JavaScript).

SKILLS

Languages: JavaScript/TypeScript, Python, PHP, C#, Java, SQL/T-SQL, Bash

Frameworks: React, Next.js, Node.js, Express, FastAPI, .NET, Tauri, Tailwind CSS

Databases: MS SQL Server (DBA, performance tuning, backup & recovery), MySQL, PostgreSQL, Supabase, MongoDB

Cloud & DevOps: Microsoft Azure, AWS, Docker, CI/CD, Linux, Windows Server, Hyper-Converged Infrastructure, Git, REST APIs

AI-Assisted Development: Claude Code, Cursor, GitHub Copilot, Anthropic API, Model Context Protocol (MCP), n8n

Security: Vulnerability assessment, incident response, network security, encryption, data privacy compliance

EDUCATION & CERTIFICATIONS

Pangasinan State University — BS Information and Communications Technology

2015

- **ACS Skills Assessment — Software Engineer (ANZSCO 261313)**, valid through March 2027
- **Microsoft SQL Server Administration** — Everywhere Consulting, Inc. (2024)
- **Full-Stack Web Development, 10-month program** — GoIT Philippines (2023–2024)
- **Data Privacy, Vulnerability Assessment & Ethical Hacking** — Mapua University (2021)
- **AWS Innovate: Modern Applications** — Amazon Web Services (2022)