

# LES JOHN PAUL P. OLIVER

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## EXPERIENCE

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### PANELCO III Electric Cooperative

Urdaneta City, Philippines

System Administration Officer / Solutions Architect

Sept 2022 – Present

- Architected and shipped 10+ production systems end-to-end as the sole engineer-architect for a cooperative serving 250,000+ consumers, replacing third-party vendor solutions and saving an estimated ₱8M+ in licensing and consultancy fees over 3 years.
- Engineered AGAM 2026 digital registration platform (React, Node.js, MS SQL Server, QR generation) for the 36th Annual General Assembly serving 13,000+ day-of attendees across 5 simultaneous venues, reducing per-member registration time from ~3 minutes to under 15 seconds.
- Administered 4 mission-critical MS SQL Server databases (1.17 TB+ data) on a clustered RAID-backed instance, achieving 99.9% uptime; recovered a corrupted page-level database (OS error 1392) using DBCC CHECKDB REPAIR\_ALLOW\_DATA\_LOSS without data loss.
- Led Hyper-Converged Infrastructure (HCI) migration across a 3-node ArcherOS cluster (expanding to 6–7 nodes), improving availability and disaster recovery posture by 40% while consolidating physical hardware footprint.
- Architected Microsoft Azure cloud migration strategy reducing on-premise dependency by 60% and improving remote accessibility for distributed staff during business-continuity events.
- Built Tax Compliance PDF Automation in Python compressing a 4-week, 12-person manual workload into a 2-click process, eliminating 1,200+ labor hours per cycle and processing thousands of BIR 2307 forms with 100% accuracy.
- Designed Executive GM Dashboard (React, Node.js, Chart.js, REST APIs) delivering real-time collection analytics, departmental leaderboards, and KPI rollups; shortened monthly executive review cycles by 60%.
- Inherited and modernized the legacy Meter Reading Management System (MRMS) — Android/Java mobile app + C# backend on MS SQL Server — from a departed developer; upgraded outdated dependencies, refactored legacy code, resolved SDK compatibility issues, and ensured continuity of a business-critical tool used daily by field crews across 5 area offices.
- Strengthened cybersecurity posture through network segmentation, endpoint hardening, and formal incident-response process, resulting in a 50% reduction in measurable cyber incidents year-over-year; trained 50+ staff on phishing/security hygiene, raising simulation scores by 65%.

### PANELCO III Electric Cooperative

Urdaneta City, Philippines

System Administration Specialist I

Dec 2019 – Sept 2022

- Designed and shipped PANELCO III Online Billing Inquiry System (PHP, MySQL, JavaScript), enabling 250,000+ consumers to self-serve billing details remotely; reduced in-person customer-service traffic by 35% and saved ~₱2M vs. outsourced quotations.
- Developed ETRD Web-Based Rates Entry System for internal electrical-rate tracking, improving operational efficiency by 40% and replacing a third-party module that would have cost ₱1.2M.
- Maintained Linux and Windows web servers with proactive monitoring, automated backups, and tuned firewall configurations, achieving 99% uptime; managed data-access controls per Philippines Data Privacy Act compliance.

### PANELCO III Electric Cooperative

Urdaneta City, Philippines

Consumer Welfare Assistant

Mar 2016 – Dec 2019

- Resolved consumer technical complaints across electrical service, billing, and metering issues, raising measured customer-satisfaction scores by 15%.
- Built internal record-management system that automated 80% of manual filing and retrieval tasks, recovering ~20 staff-hours per week.

## PROJECTS

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### AGAM 2026 — Digital Annual General Assembly Platform

2025 – 2026

- Stack: React, Node.js, MS SQL Server, QR Generation, REST APIs, WebSocket. Digitalized AGA registration for 13,000+ day-of attendees across 5 venues at a cooperative serving 250,000+ consumers; replaced NEA-mandated physical sheets with cryptographically auditable trails.

### Partner Integration API (PFAS Evolution)

2025

- Stack: FastAPI, Python, MS SQL Server, Docker, REST/JSON. Designed middleware to replace manual FTP/SFTP file workflows with real-time partner connectivity, projected to eliminate 30+ hours/month of manual ingestion work.

### Hyper-Converged Infrastructure (HCI) Migration

2024

- Stack: ArcherOS, Linux KVM, distributed storage, network virtualization. Migrated cooperative workloads onto a 3-node HCI cluster; improved availability and replication by 40% with planned expansion to 6–7 nodes.

### Tax Compliance Automation System

2024

- Stack: Python, PDF generation, MS SQL Server. Reduced BIR 2307 form generation from 4-week manual effort to a 2-click process; processed thousands of forms per cycle with 100% accuracy.

**MRMS — Meter Reading Management System (Legacy Modernization)** 2023 – Present  
• Stack: Android/Java, C#, MS SQL Server. Inherited business-critical mobile + backend system from a departed developer; modernized SDK dependencies, refactored legacy code, and resolved compatibility issues to ensure uninterrupted daily use by field crews across 5 area offices — demonstrating strong capability to maintain, update, and enhance existing production applications.

**FocusCanvas — Cross-Platform Productivity Desktop App** 2024  
• Stack: Tauri, React, TypeScript, Rust. Built a SaaS desktop productivity tool with day-type wallpaper scheduling; demonstrates end-to-end product ownership including UX, packaging, and distribution.

**Earlier Production Systems at PANELCO III** 2020 – 2023  
• Share Capital Certificate Issuance (PHP/MySQL, 2023) — cut processing 60%. Real-Time Event Attendance (PHP/MySQL, 2023) — cut effort 70%. Membership Information & Management System (PHP/MySQL + camera/signature, 2022). PANELCO III Corporate Website (HTML/CSS/JS, 2022) — increased online engagement 40%, saved 45% vs. agency.

## SKILLS AND INTERESTS

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**Languages:** JavaScript (ES6+), TypeScript, Python, PHP, C#, Java, SQL, T-SQL, Bash, HTML5, CSS3

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

**Databases:** Microsoft SQL Server, MySQL, PostgreSQL, Supabase, MongoDB; DBA, performance tuning, backup & recovery, replication, query optimization

**Cloud & DevOps:** Microsoft Azure, AWS (Serverless, App Runner), Docker, CI/CD, Linux (Ubuntu, CentOS), Windows Server, Hyper-Converged Infrastructure, Git, GitHub, REST APIs, Microservices

**Cybersecurity:** Vulnerability Assessment, Penetration Testing, Encryption, Firewalls, Data Privacy, Disaster Recovery, Incident Response, Network Security

**AI-Assisted Development:** Claude Code, Cursor, GitHub Copilot, Replit, V0 (Vercel), Lovable, Anthropic API, Model Context Protocol (MCP), n8n Automation, Prompt Engineering

**Design & UI/UX:** Figma, Adobe XD interpretation, pixel-perfect implementation, responsive design, typography, spacing & layout systems, design-to-code translation

**Tools:** Magic XPA, VS Code, Postman, Jira, Confluence, Slack, Notion, Playwright, Chromium, Office 365

**Remote Collaboration:** Asynchronous Communication, Distributed Teams, Self-Directed Delivery, Documentation-First Workflow, Time Zone Management

## EDUCATION

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**Pangasinan State University** **Asingan, Pangasinan, Philippines**  
2015  
*Bachelor of Science in Information and Communications Technology*

- Activities: TESDA Computer Hardware Servicing NC II Certification | Library Information Systems Assistant
- Relevant Courses: Software Engineering, Database Management, Networking, Web Development, Systems Analysis & Design, Information Security

## CERTIFICATIONS

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**Microsoft SQL Server Administration:** Everywhere Consulting, Inc. (2024) — Advanced administration, security, encryption, performance tuning, PowerShell automation

**Full-Stack Web Development (10-month):** GoIT Philippines (2023–2024) — HTML, CSS, JavaScript, React.js, Node.js, MongoDB, REST APIs, Docker

**Magic XPA Enterprise Development:** Everywhere Consulting, Inc. (2024) — Metadata-driven enterprise full-stack development

**AWS Innovate: Modern Applications:** Amazon Web Services (2022) — Serverless, AWS App Runner, legacy modernization

**Data Privacy, Vulnerability Assessment & Ethical Hacking:** Mapua University (2021)

**Australian Computer Society (ACS) Skills Assessment:** Valid through March 2027 — Software Engineering, Computer Programming, Systems Administrator (ANZSCO)