

LEONARDO PRASETYO

SOFTWARE ENGINEER | FULL STACK | APPLIED AI | CLOUD

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PROFESSIONAL SUMMARY

Software engineer delivering web applications, cloud services and automation for Australian energy and technology consulting businesses. Experience spans Nuxt/Vue frontends, NestJS/PostgreSQL services and AWS deployment, with additional work in applied AI and Azure automation. Translates stakeholder requirements into usable software, from discovery and implementation through testing and deployment.

TECHNICAL SKILLS

Full stack: Nuxt.js, Vue.js, TypeScript, Pinia, NestJS, Node.js, REST APIs, JWT, PostgreSQL, Firebase, responsive web development.

Cloud & DevOps: AWS CDK, Cognito, Amplify, SES, AWS IoT Core/MQTT, S3, EventBridge, Lambda, EC2, ECS, EKS, Secrets Manager, Linux, Docker, GitHub Actions, Azure DevOps Pipelines, Bicep.

AI & automation: Python, Azure AI Foundry, Copilot Studio, LangChain, RAG, embeddings, chunking, structured outputs, agent orchestration, MCP, Codex, Claude, Power Automate, Logic Apps, SharePoint.

Domain: Australian energy, AEMO/NEM data, SCADA, Raspberry Pi, data collection, GMP document validation.

PROFESSIONAL EXPERIENCE

Outpost Ventures — Melbourne, VIC

Jun 2025 – Present

Outpost Ventures is an energy consulting company that provides advisory services to major Australian energy distribution and transmission businesses, developers and retailers.

Software Engineer

Sep 2025 – Present

Reglink

- Built a role-based energy regulatory platform using Nuxt/Vue and NestJS/PostgreSQL, including a dashboard, consultation and publication search, file management, AI chat, user management and SaaS page.
- Deployed the platform using AWS Amplify, S3 for file storage and Cognito for authentication and user management.
- Planned the initial data-scraping project and extended Python/Scrapy collection workflows; deployed daily jobs using AWS EventBridge, Lambda and EC2.

OPA

- Developed the frontend of a SCADA application for monitoring, commissioning and managing site generation assets, with logic-based automation.
- Worked on a pnpm monorepo containing frontend, backend and Raspberry Pi release packages, using AWS CDK for infrastructure deployment.
- Assisted with and advised on backend database work and Raspberry Pi MQTT communication using AWS IoT Core and Lambda.

Verify

- Developed the frontend for an energy determinations AI chat platform delivered in three weeks to accelerate sales demonstrations. Built a SaaS landing page, user login and library search across determinations, pricing proposals, access arrangements, AEMC NEM rules and AER guidelines.

Doc Forge (vector database)

- Advised on backend architecture covering database design, publishing workflows, a containerised vector database for RAG, chunking, embeddings and custom AI tools using LangChain.

Arcane Scout (regulatory data scraper)

- Extended a data collection workflow to add 50,000 source files covering AER decisions and guidelines.

Konnect

- Delivered full-stack development for a connection application management platform with AI site assessment, Australian energy infrastructure map, spreadsheet-style map data editing, file uploads and cross-sheet references.
- Applied Azure AI Foundry model APIs, agentic AI and structured-output services; configured agent personas, master prompts and retrieval workflows.

Software Engineer Intern

Jun 2025 – Sep 2025

- Rapidly prototyped an all-in-one regulatory energy platform using Replit, then refactored and maintained the AI-generated codebase.
- Developed a data-scraping algorithm using TypeScript and Playwright for the regulatory energy platform.
- Configured Firebase Authentication and Realtime Database as the demo application's backend.

QIKSOLVE — Melbourne, VIC

May 2024 – Jun 2026

QikSolve is an Australian technology consultancy and software provider serving GMP clients.

Freelance Software Developer**Luminai-review**

- Developed Azure DevOps pipelines to deploy a serverless, email-triggered AI document validation workflow on Azure infrastructure using YAML, Bicep (Azure IaC) and Python.
- Built Power Automate, Logic Apps and SharePoint workflows; transformed uploaded documents into Markdown/JSON and validated integrations with Postman.
- Prototyped OCR and AI validation for handwritten pharmaceutical GMP batch records using Azure AI Foundry Agents and Copilot Studio; the prototype secured approval to proceed to production.

Web-workbench

- Built and deployed a Nuxt/Vue, Node.js and Firebase platform for configuring SharePoint forms and site collections, and managing document review and approval workflows.

SELECTED ADDITIONAL EXPERIENCE**Web Developer (Project) — Christ Covenant Church**

Oct 2024 – Jan 2025

- Gathered requirements and designed, built and deployed a responsive Wix Studio website with CMS content, custom visual assets and mobile layouts.

Software Developer — Nexalab

Feb 2024 – Apr 2024

- Designed wireframes and dashboard prototypes, documented third-party API integrations and developed a React/Next.js feature.

Game Developer — Monash Connected Autonomous Vehicle

Feb 2023 – Dec 2023

- Developed features, improved VR performance and resolved defects for a connected autonomous vehicle simulation in Unreal Engine.

EDUCATION**Bachelor of Engineering (Software) — Monash University**

Completed 2023

Relevant study: software testing, agile development, databases, internet applications, iOS development and software usability.

ADDITIONAL INFORMATION

I hold a Temporary Graduate visa (subclass 485), valid until May 2028, with full working rights in Australia.