

Darryl Fernandez

Software Engineer | AI Automation | Business Systems Architect

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Davao City, Philippines

PROFESSIONAL SUMMARY

Software engineer and technical lead specializing in internal platforms, workflow automation, API integrations, AI-assisted business process design, and operational systems. Experienced across web, mobile, ecommerce, enterprise software, cloud infrastructure, Linux servers, networks, and automation hardware. Converts business problems into shipped systems through architecture, documentation, sprint planning, developer coordination, code review, and pragmatic technology choices.

CORE STRENGTHS

Automation discovery, workflow mapping, approvals, handoffs, and operational redesign.

AI-enabled workflows using image recognition, natural language processing, transcription, and OpenAI integrations.

Custom business systems for sales, inventory, CRM, ERP, purchasing, accounts, branches, and mobile users.

Engineering leadership across architecture, delivery planning, code review, CI/CD, and coordinated releases.

SELECTED PROJECTS

Finance Tracker (2026)

FinTech / Personal Finance Management SaaS - NDA

Full-stack finance management app for accounts, expenses, income, loans, recurring bills, credit cards, reports, user settings, AI-assisted expense entry, Telegram integration, subscription billing, and automated jobs.

Solar Fuel Corporation (2016)

ERP / CRM

Multi-branch management system for gasoline station and hardware operations covering inventory, invoicing, SOA, receivables, payables, pump management, permissions, backups, and reporting.

Davao Top-ching Auto-Parts (2017)

ERP / CRM

Centralized branch operations platform built with Laravel, AngularJS, REST APIs, JWT, and MySQL.

Fleet Tracking System (2015)

Realtime / IoT

Map-based fleet monitoring with realtime updates, WebSockets, Redis, Node.js, Android, and embedded devices.

Laravel Shopping Cart (2015)

Open Source

Laravel ecommerce package with unit testing and CI history; repository page shows 1.4k GitHub stars.

Project Management System (2016)

Internal SaaS

Platform for project and client coordination using Laravel, AngularJS, PusherJS, Amazon S3, and EC2.

WORK HISTORY

Microsoft Developer Partner

Software Developer | International

2020 - Present

- Develop plugins for Microsoft Games running on Windows and Xbox.

Simulation Company (NDA)

Lead Developer / CTO | Philippines / Singapore

2019 - Present

- Manage a small development team, coordinate technical direction, and make architecture and design decisions.
- Build Python scripts for workflow automation and create AI automation workflows using an agentic approach.
- Integrate OpenAI and other AI tools into existing development and internal processes.
- Manage AWS infrastructure with Runcloud, company websites, cloud resources, and technical documentation.
- Contribute hands-on 3D modelling, texturing, and animation work.

Vizsion Inc.

2016 - 2020

Senior Software Developer & Project Lead | Las Vegas, NV - Remote

- Converted business requirements into technical solutions, estimates, architecture plans, and delivery schedules.
- Produced technical documentation for application flows, specifications, technology stacks, and development plans.
- Coordinated remote developers, assigned work, reviewed code, defined coding standards, and refactored systems.
- Worked with server administrators on deployments, Git workflows, and ongoing technology research.

Solar Fuel Corporation

2016

Software Architect & Consultant | Davao City, PH

- Delivered a 6-month business analysis, architecture, documentation, implementation, and migration engagement.
- Developed a centralized CRM with RESTful APIs and an Angular SPA consuming a Laravel backend.
- Designed for multi-business, multi-branch operations with centralized data access across Mindanao branches.
- Handled Git workflows, network setup, port forwarding, firewall and NAT configuration, security, and disaster recovery.

Davao Topching Auto-Parts

2016

Software Architect & Consultant | Davao City, PH

- Delivered a 3-month engagement from discovery through architecture, documentation, schedule, and delivery.
- Built a centralized web CRM, RESTful APIs, and an Angular SPA on a Laravel backend.
- Implemented Git-based version control, security measures, and disaster recovery planning.

Independent Consultant / Contractor

2015 - Present

Software Architect & Consultant | Remote and local clients

- Provide software development services for local and outsourcing businesses across business systems, web applications, and technical consulting.

Serius Marketing

2014 - 2016

Web Application Developer & IT Director | NY, USA - Remote

- Developed ecommerce and WordPress websites, custom themes, plugins, and WooCommerce implementations.
- Integrated payment gateways including PayPal and Google Checkout, created estimates, and managed WHM/cPanel clients.
- Built the company's project management system using Laravel and AngularJS.

IDX Web Designs

2013

Backend PHP Developer | Davao City, PH

- Converted PSD designs to responsive, cross-browser, W3C-compliant HTML.
- Developed WordPress and WooCommerce sites, custom themes, plugins, and payment gateway integrations.

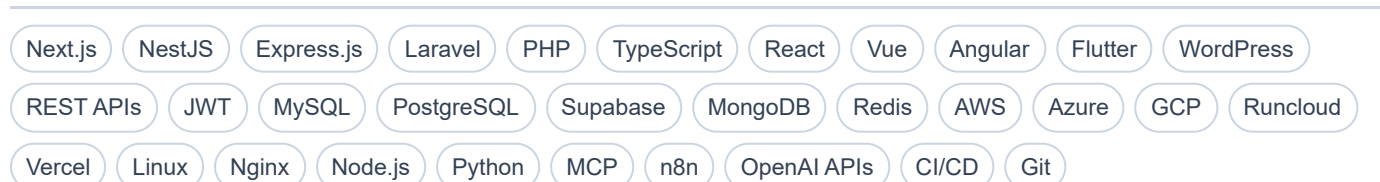
University of Immaculate Conception

2015

Part-Time Engineering Instructor | Davao City, PH

- Taught Computer Networks for engineering students.

TECHNICAL TOOLKIT



EDUCATION

- BS Computer Engineering, Holy Cross of Davao College
- Former part-time engineering instructor for Computer Networks