

Axl Oliver R. Cuyugan

Software Engineer

Zamboanga City, Philippines | +639152401964 | axlcuyugan05@gmail.com

[axlc.dev](#) | [LinkedIn](#) | [GitHub](#)

Summary

Senior Software Engineer with backend specialization of 7+ years of experience designing, building, and operating production web services using Node.js, TypeScript, AWS, PostgreSQL, and DynamoDB. Experienced in event-driven systems, API design, automated testing, CI/CD, cloud cost optimization, and production support. Led products from architecture through launch, resolved complex concurrency issues, and improved deployment reliability for distributed remote teams.

Skills

- **Backend:** Node.js, Javascript, Typescript, Fastify, Express, Python (Django), PHP, Laravel, Codelgniter, Go, REST, GraphQL, Bash
- **Frontend:** React.js, Next.js, Electron.js, Redux, Zustand, Vue.js, Vuex, Astro, TanStack, Tailwind, Shadcn, Sass
- **Cloud and infrastructure:** AWS Lambda, ECS, SQS, SNS, S3, AppSync, Firehose, Terraform, Glue, Athena, Bedrock, API Gateway, CodePipeline Docker, CI/CD, Linode, Auth0
- **Database:** PostgreSQL, MySQL, DynamoDB
- **Quality and operations:** Jest, Playwright, integration testing, Grafana, observability, production support
- **AI Tools:** Claude Code, Codex, Cursor, LLM SDKs

Experience

Platform Software Engineer

03/2022 - 07/2026

[Viyahe / Monark](#)

Remote, PH

- Led end-to-end delivery of [trials.gq](#) (architecture → production), scaling to **900+ sign-ups** with **~5 hrs/day average engagement** and **99.9%** availability.
- Led the design and development of the **data analytics pipeline on AWS**, ingesting **~100 events/day**; enabled near real-time dashboards from **Grafana**. **99.9%** availability
- Owned **CI/CD pipelines** using **AWS CodePipeline** across frontend and backend; increasing release cadence to **~5 deploys/week**.
- Volunteered to support **frontend delivery** (2023–2024) as a Platform Software Engineer; shipped **35+ web/Electron features** and **enhancements**, helping maintain release cadence on a lean team
- Established **clean architecture** and engineering standards across 3 applications/projects, standardizing implementation and code review practices.

DevOps Consultant, Freelance

03/2025 - 05/2025

[PH Live Music LTD](#)

Remote, PH

- Reduced **infrastructure cost** by **~40%** through AWS migration and **cost optimization** (right-sizing, eliminating unused resources).
- **Implemented CI/CD automation**, cutting pipeline runtime from **~20min** → **~6min** and enabling **~2 deploys/week** with a pipeline failure rate under **7%**.
- Resolved **Typescript** and build configuration issues across 3 projects, including typing, module resolution, and bundler problems affecting CI.
- Strengthened **web platform security** to protect against scalper bots, DDoS, and common vulnerabilities.

Consultant, Part-Time

05/2023 - 10/2023

[MDI Novare](#)

Remote, PH

- **Led a 3-developer team** delivering the BFA module for Meralco's Bayad Center project, overseeing technical design, backend development, testing, and delivery.
- Shipped **~26 production backend features** on **AWS**, translating project requirements into working services.
- Built **integration tests** for every new feature, **covering 95%** of the module's endpoints.
- **Mentored 2 developers** through code reviews, technical discussions, and guidance on engineering standards and project-specific requirements.
- Investigated and resolved 15+ application defects, improving **system stability** and the overall user experience.

Full Stack Engineer, Part-Time

Bunbuy Marketplace

01/2023 - 03/2023

Remote, PH

- Delivered ~10 frontend and backend features as a **Full Stack Engineer** within a **scrum** team.
- Tested implemented features **end-to-end** before pull requests to verify functionality and minimize regressions with **90% coverage**.

Senior Software Engineer, Part-Time

MDI Novare

09/2021 - 01/2023

Remote, PH

- Delivered 25+ **React** features and enhancements in collaboration with engineering and QA through development, testing, and release.
- Resolved 15+ **complex bugs and production issues** across frontend and backend components.
- Refactored legacy code across 10+ components and applied **design patterns, coding standards, and architectural improvements** to improve maintainability.

Deputy Head Software Engineer

exact construct GmbH

04/2021 - 03/2022

Zamboanga, PH

- Designed and delivered 8 web applications using **React, Express, and GraphQL**.
- Owned development infrastructure, **GitLab CI/CD pipelines**, and production servers across ~15 projects.
- Mentored **6 developers** on **system design, software architecture, and design patterns**, through reviews and technical discussions.

Senior Software Engineer

exact construct GmbH

08/2019 - 04/2021

Zamboanga, PH

- Replaced manual deployments with **GitLab CI/CD pipelines** across ~15 applications, standardizing automated build and deployment workflows.
- Designed and implemented an internal and client-facing **feedback tracking system**, owning development from solution design through delivery.
- Designed and built a **payroll accounting application** for an accounting client, translating business requirements into a production-ready software solution.
- Managed ~15 **production applications** across staging, and production infrastructure on **Linode**.

Web Developer

RightJob Solutions

10/2018 - 08/2019

Zamboanga, PH

- Designed and delivered 3 web applications using **React, Vue, Laravel, CodeIgniter, Express, and GraphQL**.
- Designed and delivered 2 **WordPress** sites for clients.

Android Developer/System Administrator

Zamboanga Amusement & Recreational Inc.

03/2018 - 10/2018

Zamboanga, PH

- Developed an **Android data-collection application** deployed across ~10 operational branches.
- Designed and maintained an administrator **data analytics platform** providing **real-time reporting** across ~10 branches in Mindanao.
- Implemented a retry mechanism for mobile-to-server data synchronization, achieving a **99.9% successful delivery rate**.
- Implemented **secure data transfer** between the **Android app and the web platform** for accurate and efficient reporting.
- Collaborated with internal teams to enhance app **usability, streamline data flow, and improve decision-making** through **analytics**.

Projects

Conose PH: A hyperlocal discovery app that helps people find verified businesses, new places, deals, reviews, and nearby experiences in Zamboanga, all in one place.

- Designed and built a **hyperlocal business discovery platform for Zamboanga**, combining verified businesses, places, deals, reviews, and nearby experiences into a single product.
- Architected the application around **Clean / Hexagonal Architecture**, with a **React + Typescript web experience, Flutter** mobile client, and swappable infrastructure adapters.
- Implemented an interactive location experience using **MapLibre GL JS** and **OpenFreeMap**, including real vector maps and **3D building visualization**.

Top.Notch: Free, open-source notch app for macOS. A Dynamic Island style alternative to NotchNook, built with SwiftUI.

- Built an open-source **SwiftUI macOS notch application** with Now Playing controls, file drop storage, quick notes, and a Pomodoro timer.

- Designed a native background experience that dynamically expands around the MacBook camera housing and retracts when idle.

Finova: A privacy-forward, low-friction budgeting app with a personalized AI coach.

- Designed and built a **privacy-focused personal finance application** with budgeting, transaction tracking, financial goals, recurring payments, and personalized AI coaching.
- Architected a serverless backend using **Go, AWS Lambda, SQS, S3, Cognito, and Amazon Bedrock**, including asynchronous AI insight generation and streamed AI responses **over Server-Sent Events (SSE)**.
- Implemented an **offline-first synchronization architecture** with local persistence, delta sync, version-based conflict resolution, and account-switch safeguards to prevent cross-user data leakage

Certifications

Electronic Data Processing Specialist

02/2021

Department of Information and Communications Technology Mindanao Cluster 1

Education

Bachelor of Science

Western Mindanao State University

Zamboanga, PH

2014 - 2018

- Computer Science Major in Information Technology