

Mark Vergel Banguis

Fullstack Developer

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Full-Stack Developer with 5 years of experience building and maintaining production web and mobile applications. Experienced across React, TypeScript, Node.js, PostgreSQL, background processing, APIs, and distributed systems. Progressed from trainee to leading a team of 7 developers, with hands-on experience taking features and systems from development through production.

EXPERIENCE

Lead Full-stack Developer, *Chromelot*

Apr 2023 – Aug 2026 | Dallas, Texas

- Led end-to-end development of a B2B automotive platform, establishing coding standards and coordinating development tasks for a team of 7 developers and interns.
- Built automated vehicle inventory synchronization pipelines that processed daily inventory feeds and bulk image uploads from FTP directories, supporting both scheduled and manual processing.
- Designed asynchronous background processing for recurring tasks, system notifications, and long-running workflows using BullMQ, keeping resource-intensive operations outside normal request flows.
- **Reduced monthly infrastructure costs from \$200+ to \$100+ by migrating from DigitalOcean App Platform to a self-hosted Dokploy deployment setup on a VPS.**
- **Self-hosted staging and production PostgreSQL databases and implemented automated daily backups to DigitalOcean Spaces for both environments.**
- Managed isolated staging and production environments across three services using Dokploy.

Full-stack Developer (Part Time), *Itemcount.io*

Jun 2023 – Sep 2023 | Remote, Philippines

- Developed and enhanced features for a React Native mobile POS application as part of an early-stage startup.
- Implemented background messaging between microservices using NestJS and Pub/Sub.
- Troubleshot full-stack application issues and contributed to product planning and feature development.
- Collaborated on rapid product iterations across mobile and backend functionality.

Front-end Developer (Part Time), *Mobii Inc*

Feb 2023 – Apr 2023 | Remote, Philippines

- Developed and maintained an administrative dashboard using Next.js 13, React Final Form, Chakra UI, and React Query.
- Collaborated with technical and non-technical team members to understand requirements, communicate progress, and resolve development tasks.

Full-stack Developer, *Fiddle Inc*

Nov 2021 – Dec 2022 | Remote, USA

- Developed core application features and resolved software defects for a mobile POS application supporting business operations.
- Migrated legacy JavaScript codebases to TypeScript, improving type safety and maintainability.
- Built reusable UI components with Storybook and published shared components as internal NPM packages.
- Implemented Kafka-based messaging to synchronize background transactions across services.
- Gained hands-on experience with Google Cloud Platform and Kubernetes while working on production applications.

Front-end Developer, *Xendit*

Jul 2021 – Dec 2021 | Remote, Philippines

- Developed frontend features using React and Xendit's internal UI component library.
- Maintained code quality by following internal testing standards and development practices.
- Collaborated with senior developers to understand and contribute to an existing production codebase.

Trainee, *Cauld & Clark IT Solutions*

Mar 2021 – Jul 2021 | Remote, Philippines

- Progressed from trainee to full-stack development while contributing to two client-facing production applications.
- Developed web and mobile applications using React, React Native, GraphQL, Kafka, and NestJS, with additional exposure to Go.
- Delivered production application features as a frontend developer based on client requirements.

TECHNOLOGIES

Languages — TypeScript | JavaScript | Go

Frontend — Tanstack Ecosystem | NextJS | React | Tailwind | Mantine 7+ | Shadcn

Backend — Node.js | NestJS | Hono | Redis | Postgres | MongoDB

Distributed Systems & Background Processing — Kafka (Pub/Sub) | GraphQL Federation | BullMQ

Infrastructure & Tools — Docker | Dokploy | GitHub | CI/CD | GCP | Kubernetes

Others — React Native (Expo) | Deepseek API | Claude Code | Better Auth

EDUCATION

Surigao del Norte State University  , Computer Science

2020 – 2024 | Surigao, Philippines