



Dylan Koei Chavez

Lead Full Stack Engineer

Results-oriented full stack engineer with 10+ years of experience covering all stages of design, coding, and testing. Currently leading engineering on a large-scale community platform spanning 18 microservices, web, and mobile, and building AI-powered systems with LLMs and RAG pipelines. Passionate about technology and continuous learning, I strive to stay up-to-date with the latest tech stack.

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WORK EXPERIENCE

Lead Full Stack Engineer

SwissPine Tech — BuyNothing Project (buynothingproject.org)

08/2025 - 08/2026

Remote

Technology Stack: TypeScript, NestJS, Next.js, React Native/Expo, Python, PostgreSQL/PostGIS, Redis, OpenSearch, AWS (ECS, Lambda, Step Functions, SQS, Bedrock), Terraform

Achievements/Tasks

- Led engineering of the BuyNothing community gifting platform — 18 NestJS microservices plus Next.js web/admin and an Expo/React Native mobile app in a Turborepo monorepo.
- Built an AI moderation pipeline on AWS Bedrock using Claude Sonnet/Haiku with a Nova mini-model prefilter — batch prompting, shadow-mode rollout, cost tracking, and an LLM-scored audit harness for automated content and account enforcement.
- Designed an event-driven notification pipeline: SQS producers, Lambda router, Step Functions orchestration, and delivery to push and Ably realtime channels with a dual-writer outbox for reliability.
- Integrated payments end to end: Stripe memberships and tips plus Apple App Store and Google Play in-app purchases.
- Owned AWS infrastructure as code with Terraform (ECS Fargate, RDS, ElastiCache, OpenSearch, CloudFront) and GitHub Actions CI/CD with per-service deploys and 200+ Testcontainers-backed test suites.

Full Stack Developer

Fabletics

06/2023 - 07/2025

El Segundo 800 Apollo St HQ, United States

Technology Stack: React, JavaScript, Next.js, NestJS, ColdFusion, TypeScript, Python, Jenkins, AWS

Achievements/Tasks

- Led full-stack development using React/Next.js and NestJS/ColdFusion.
- Reduced bug reports by 30% through optimized UI and backend solutions.
- Developed and maintained an internal UI library and shared packages across multiple brands (Fabletics, Savage X Fenty, JustFab, FabKids, ShoeDazzle).

SKILLS

Backend Development

Frontend Development

AI / LLM Integration

RAG Pipelines

Anthropic Claude & AWS Bedrock

AWS & Google Cloud

Azure

NodeJS

NestJS

TypeScript

JavaScript

Python

React/Redux

React Native

Next.js

Angular

RxJS

PostgreSQL/PostGIS

OpenSearch

Terraform

DevOps

CI/CD Pipeline

CSS/SASS/Tailwind

PROJECTS

BuyNothing Project

- Community gifting platform — web, mobile & admin.
- URL: <https://buynothingproject.org/>
- Backend Technologies: NestJS microservices, PostgreSQL/PostGIS, Redis, OpenSearch, AWS ECS/Lambda/Step Functions, Bedrock.
- Frontend Technologies: Next.js, React Native/Expo, Turborepo.

Keychain

- Completion platform for UK first time home buyers.
- URL: <https://www.keychain.co.uk/>
- Backend Technologies: NodeJS, Python, AWS CDK, AWS AppSync, DynamoDB, AWS Cognito.
- Frontend Technologies: ReactJS, Redux, AWS Amplify.

Archax Trading Platform

- List all security/asset shares (ex. apple share).
- URL: <https://archax.com/>
- Backend Technologies: NodeJS, Protobuf, AWS.
- Frontend Technologies: ReactJS, Electron.

WORK EXPERIENCE (continued)

Full Stack Developer

MessageMedia

05/2020 - 01/2023

Melbourne, Australia

Technology Stack: React, Firebase, TypeScript, Python, Serverless, AWS

Achievements/Tasks

- Created APIs on AWS Lambda using JavaScript with Node.js.
- Utilized Serverless Framework within AWS Infrastructure for Lambda functions.
- Integrated Shopify GraphQL and REST APIs into the system.
- Built web applications for Shopify using React and Next.js.

Backend Developer

High Output Ventures

02/2019 - 04/2020

Singapore Raffles Place

Technology Stack: NodeJS, JavaScript, Python, Angular, RxJS, AWS

Achievements/Tasks

- Developed microservices using Node.js, Python, Koa, and MongoDB.
- Utilized Angular, RxJS, and GraphQL on the frontend.
- Assigned to three microservices: Promo, Subscription, and Affiliate Service.

Full Stack Developer

Nexusbond Asia Inc

03/2017 - 02/2019

Cagayan de Oro City, PH

Technology Stack: Firebase, AWS, TypeScript, React, Python, Serverless

Achievements/Tasks

- Build Web Services with AWS Lambda using Python and NodeJS.
- Create a CI/CD Pipeline for WordPress applications.
- Build sites using React & Redux.

PROJECTS (continued)

Free order tracker

- Tracking System built for small companies.
- URL: <https://freeordertracker.com>
- Backend Technologies: TypeScript/NodeJS, AWS Lambda, SNS, SQS, SES, API Gateway, S3, CloudFront, Step Functions, DynamoDB, Stripe.
- Frontend Technologies: Angular, RxJS, Redux, Firebase, DevOps.

OneWallet

- Central Wallet for Chinese Casinos & Vendor Game Providers.
- URL: admin-development.aonewallet.com (backoffice application)
- Backend Technologies: NodeJS, Koa, GraphQL, MongoDB, Kubernetes, AWS EKS.
- Frontend Technologies: ReactJS, Redux, Apollo Client.

EDUCATION

Computer Science

Informatics Institute

11/2014 - 03/2017

Cagayan de Oro City

ACHIEVEMENTS

AZ-900 Certification

[Certification link](#)