

Rafael Ayala | Fullstack Typescript Developer

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WORK EXPERIENCE

Black Beard Development Group

December, 2023 – Present

Fullstack Typescript Developer

Remote (USA)

- Built [web3-based admin](#) (Next.js) and [mobile sponsor apps](#) (React Native) in Typescript for retired police dog sponsorship.
- Developed AWS infrastructure (**Lambda, MediaConverter, S3, Cloudfront**) serving admin, social, and mobile apps via a **GraphQL API**.
- Collaborated with a designer, frontend/mobile/backend devs and technical manager in a remote environment to maintain 5 microservices and API gateway (**Nest.js, MongoDB, Prisma**).
- Collaborated on a **Shopify web3** plugin for NFT-based discounts and perks
- Designed [WarriorDog.com](#) and [BlackBeard.io](#) on Framer.

Tiahui.Tech

January, 2021 – December 2023

Fullstack Typescript Developer | Dec, 2022 – Dec 2023

Remote (Mexico)

- [Your Daily Horoscopes](#) Developed the frontend using Next.js, SCSS, and TypeScript, integrating with an existing Ruby on Rails backend REST API.
- [TripRecs](#). Collaborated with two part-time developers to create a full stack application to plan a trip using OpenAI API built with Next.js, Supabase, Material UI, and TypeScript.
- [Senpai App](#). Contributed to market research and requirement definition. Developed the mobile app using React Native with TypeScript, consuming a GraphQL API.

Technical Internship | Jan, 2021 – Dec 2022

- [Cantera Tiahui](#): Led a campaign attracting 20 students to a web development course, and developed a Discord bot integrating OpenAI API to provide personalized feedback to participants.
- Developed **AI models**, including a tic-tac-toe game with three difficulty levels using **Python** and **ML**.

RazzleBerries

June, 2020 – December, 2020

Freelance 3D KeyArts Designer

Remote (Indonesia)

PERSONAL PROJECTS

- [Axolotl](#): Discord Bot with 3D image generation system using **ThreeJS**.
 - ◆ This bot has been installed on **+1800** discord servers and has **+160,000** users!
- [Discord-Arts](#) | [npm](#) | [repo](#): Node package to generate amazing images with the Discord style.
 - ◆ **+400 weekly downloads** and a total of **+140,000 total downloads!**
- [DiscordArts Public REST API](#): Built with **NestJS** to get advanced information from a Discord User.
 - ◆ **+400,000 total requests** per day increasing in all endpoints
- [Genius](#): Discord Bot Assistant with a **ClaudeAI API** capable of creating complete discord communities.
 - ◆ Voice assistant, AI function management and more

SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python.
- **Frontend/Backend:** NextJS, React, Tailwind, NextUI, MaterialUI, Electron, NodeJS, NestJS, REST, GraphQL, Django.
- **Databases:** Prisma, PostgreSQL, SQLite, MongoDB, Mongoose, Papr.
- **Tools:** ClickUp, Git, Slack, Jira and Discord for project management and collaboration.
- **Cloud Providers:** AWS, Google Cloud, Cloudflare, Vercel, Heroku, Railway.
- **Design / 3D:** Photoshop, After Effects, Premiere, Animate, Cinema 4D, MagicaVoxel.

EDUCATION

Instituto Tecnológico de Colima, B.S. in Computer Systems Engineering

Aug, 2021