

# ZACHARY PUNSALANG

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## EXPERIENCE

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### Full Stack Engineer

Dec 2024 – Present

VantaSoft

*Next, React/Native / Express / GraphQL / AWS*

- Built and shipped **frontend features** for an **education platform**, using **React, Redux, GraphQL** to deliver **scalable, performant UI components**.
- Migrated **healthcare-on-demand platform** to a **monorepo architecture**, streamlining cross-platform development and boosting developer efficiency.
- Designed **cron jobs** and a **custom data pipeline** to transform scraped job data into structured entries and sync with **HubSpot CRM**, improving **lead targeting speed** for sales teams.

### Project Manager, QA Lead, Software Engineer

Jun 2024 – Nov 2024

LightStrike Labs (Star/Child)

*Linear, Maestro / Supabase / Next / React/Native*

- Increased project efficiency by **70%** by driving **feature prioritization** and **workflow optimization**.
- Automated **QA** with **Maestro test scripts**, reducing **release errors** and improving **build reliability**.
- Developed **reusable components** with **Tamagui UI** in a **monorepo**, for web and mobile apps.

### Full Stack Engineer

Jan 2024 – May 2024

Nutripair

*React Native, AWS Lambda / Cognito / S3*

- Optimized **AWS Lambda** integration with refined **schema design** and rigorous **testing**, improving **reliability and performance**.
- Converted Figma designs into **responsive UI**, ensuring a **seamless user experience** through collaboration with UI/UX team.
- Integrated the entire UI/UX for dashboard and profile mobile screens using Expo/React Native Stylesheets.

### Founding Full Stack Engineer

Dec 2023 – May 2024

Tramona

*Next.js, Shadcn/UI / Zustand / tRPC / Stripe*

- Successfully integrated a **secure payment feature** with **Stripe**, enabling **seamless transactions** between users and hosts.
- Engineered an **infinite scroll feature** to display large datasets of properties, improving **user experience** and **performance**.
- Integrated **real-time messaging system** using **Supabase**, enhancing **user engagement** and **communication efficiency**.

### Front End Engineer

Sep 2021 – Dec 2021

Diversity Hotline

*React / Firebase / Node.js / HTML/CSS / Agile*

- Collaborated with **Student Service Counselor of UCI** to develop a **Progressive Web Application** for **diversity, equity, inclusion**, and combating discrimination.
- Developed in an **Agile** software development system with weekly meetings to gather **client feedback** and enhance **design and functionality**.
- Increased **awareness and adoption** of the app among **UCI community and organization**.

## SKILLS

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**Languages:** TypeScript, Java, Python, C/C++

**Frontend:** React, React Native, Expo, Next.js, Zustand, Jotai, Redux, HTML, CSS, Tailwind CSS

**Backend:** RESTful API, tRPC, GraphQL, Node.js, Express.js, Nest.js, Hono, Spring Boot

**Testing:** Jest, Mocha, Maestro, Playwright

**Databases:** PostgreSQL, Supabase, Firebase, MySQL, MongoDB

**Other:** Agile, Linear, ClickUp, Slack, Sanity, Ecommerce (Shopify, Stripe), SEO

## EDUCATION

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University of California, Irvine

Irvine, CA

Bachelor of Science, Computer Science

Sep 2019 – Apr 2022

Mt. San Antonio College

Walnut, CA

Associate, Computer Science

Aug 2017 – Jun 2019