

# JOEL EWALDO

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## EXPERIENCE

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### Associate Software Engineer

Edmond, OK

*Life Church*

- Develop and maintain full-stack web applications that support millions of users using React, TypeScript, Python, and Kotlin.
- Built an AI hybrid vector search engine for semantic retrieval across sermon and devotional content that is scalable with Python and FastAPI.
- Collaborate cross-functionally with product, QA, and design partners in agile sprints, tracking delivery through Jira and contributing to code reviews and architectural discussions.

### DevOps Intern

Colorado Springs, CO

*Compassion International*

- Worked on the Observability team to build an internal “playground” for the Cloudsmiths team, enabling end-to-end tracing of interconnected Python and Go microservices before production rollout.
- Implemented cert validation for secure inter-service HTTPS communication.
- Optimized instrumentation by reducing the number of spans, cutting observability costs while maintaining signal fidelity.
- Created a robust CI/CD pipeline in GitLab to automate testing, building, and deployment of microservices to AWS, leveraging Lambda functions and Amazon EKS for scalable execution.

### Freelance Web Developer

San Francisco, CA

*Snowbliss Cafe*

- Designed and implemented a website for Snowbliss Cafe using Next.js, Bun, React, TypeScript, and Tailwind CSS.
- Architected backend schema and wrote all SQL tables and queries using PostgreSQL on Supabase.
- Deployed the website on Railway, ensuring reliable hosting and scalability.

### University Research Assistant

Irvine, CA

*Language and Learning Analytics Lab - University of California, Irvine*

- Developed a web-based dashboard to enable researchers to create experiments measuring AI collaboration performance.
- Built backend chat rooms using Flask and Socket.IO, and created API endpoints with Django, integrating Clerk for authentication and PostgreSQL for data storage.
- Implemented frontend features using Next.js, Bun, React, and Tailwind CSS to support experiment workflows and group assignments.
- Deployed the application on AWS with three EC2 instances and an RDS PostgreSQL database; automated infrastructure provisioning using Terraform and Ansible.

## PROJECTS

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### Statpass | Co-founder, Full-stack Software Developer | *React Native, Next.js, Firebase, Typescript*

- Designed and developed a React Native iOS app serving hundreds of users, with an emphasis on intuitive UI/UX.
- Engineered backend APIs leveraging Firebase for scalable data storage and Algolia for efficient search capabilities.
- Launched and crafted a beautiful landing page using Next.js, React, and Tailwind CSS.
- Deployed the app to the iOS App Store and ensured ongoing updates and feature enhancements.

## EDUCATION

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### University of California, Irvine

Irvine, CA

*Bachelor of Science, Software Engineering*

### Los Angeles Pierce College

Los Angeles, CA

*Associate of Arts, Math/Stem*

## TECHNICAL SKILLS

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**Languages:** JavaScript/TypeScript, Python, Rust, C/C++, Java, Assembly, HTML/CSS, Bash

**Technologies:** React, Next.js, Node.js, React Native, Docker, Terraform, Kubernetes, Linux, Git, Figma, Flask, Django, Firebase, AWS, Jira