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ETHAN FANN
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EXPERIENCE

Senior Software Engineer
Software Engineer — **Osano** — **Jan 2022 – Present**

- Developed an AI agent using AWS Bedrock and LangChain, achieving a 95% accuracy rate in classifying cookies
- Led development of iOS, Android, and React Native consent management SDKs.
- Implemented complex data privacy frameworks such as IAB TCF 2.2 in all consent management products.
- Maintained critical components of high-volume consent management services, handling billions of requests annually.

IT Engineer — **Forward** — **May 2020 – April 2021**

- Architected and developed a serverless authentication flow for AWS AppStream2 using AWS Lambda, AWS Cognito, and Okta.
- Built internal dashboards by integrating APIs from various B2B IT SaaS products.
- Developed a Zendesk plugin using JavaScript and HTML5 to offer a media player for MP3 attachments.

Software Engineer — **Atrium** — **June 2019 – Oct 2019**

- Built full-stack web applications with TypeScript, React, GraphQL, and Ruby on Rails.
- Developed a Microsoft Office plugin with Office.js and React to enable opening, editing, and saving documents stored in the Atrium document management system.
- Collaborated closely with product managers, designers, legal staff, and other engineers to continuously ship feature improvements as part of an agile workflow.

IT Engineer — **Atrium** — **June 2018 – June 2019**

- Provided Tier 1 production support for the Atrium web app, reducing escalations to Tier 2 engineers by 50%.
- Integrated the Microsoft Graph API to automate configuration updates to internal Office 365 systems used for client communication, reducing email-related onboarding tickets by 90%.

PROJECTS

Cords Chat
https://cords.chat
- Fastest AI chat app supporting models from OpenAI, Anthopic, DeepSeek, and more.

Tangey – Widgets for Strava
https://tangey.app
- Swift + SwiftUI iOS app that uses the Strava API to provide customizable home screen widgets.

Slackmojis-dl
https://github.com/ethanfann/slackmojis-dl
- CLI tool that uses slackmojis.com to download from a directory of 47,000+ emojis.

Avarts
https://github.com/ethanfann/avarts
- Open-source fitness tracking app built with TypeScript, React and Ruby on Rails.

TECHNICAL SKILLS

- Languages: TypeScript/JavaScript, Python, Swift, Kotlin
- Frameworks and Libraries: React.js, REST, GraphQL, Node.js, Next.js, Tailwind CSS
- Tools: Git, Linux, AWS, Terraform , Github Actions, Docker, Postgres

EDUCATION

UC Merced
- Bachelor of Science – Computer Science and Engineering