

Professional Experience

Flexe · Software Development Engineer

Feb 2022 — Nov 2023

Kotlin, Ruby on Rails, React, TypeScript, Android, GCP

- Developed production code across multiple technology stacks including Rails, Kotlin microservices, React/TypeScript, and Android applications for Flexe's warehouse management system
- Took ownership of team's mobile domain and became the Android subject matter expert, leading the design and deployment of new mobile APIs, reusable front-end components, and refactoring our application, resulting in increased test coverage and developer productivity
- Worked on a long-term project to decompose monolithic Ruby on Rails application into new microservices, enhancing system scalability and performance
- Developed back-end APIs and algorithms to support quickly evolving business needs
- Contributed to company-wide documentation initiatives, facilitating increased knowledge transfer

Boeing · Software Engineer

Nov 2020 — Feb 2022

Python, FastAPI, Docker, postgres

- Developed and maintained a highly regarded electronics factory tracking software, providing essential insights into materials, orders, and production activities for product teams
- Extended existing manufacturing execution systems by connecting multiple high value data sources, streamlining production processes and creating new efficiency metrics
- Elevated departmental visibility across the supply chain, leading to substantial efficiency improvements and cost reductions

Education

Loyola Marymount University · Undergraduate Degree

Sep 2016 — May 2020

Bachelors of Science in Mechanical Engineering, Aerospace Concentration

- Founding member of aerospace research society, serving as a lead engineer on large rocket engine project

Projects

Drumhaus

Sep 2023 — Nov 2023

TypeScript, React, Next.js, Python, postgres, Tone.js

A browser-controlled drum sampler and sequencer crafted with Tone.js and Next.js, featuring curated sample kits, customizable presets, and a sequencer for crafting dynamic loops, enriched with advanced audio processing capabilities, interactive input knobs, and link-based sharing functionality.

Additional Information

Programming Languages: Python, Kotlin, TypeScript, Ruby

Interests: Music production, surfing, snowboarding, film photography, graphic design, biology, history, vintage fashion, urbanism, environmentalism