Elise Olivares

Software Engineer

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EXPERIENCE

Commure, inc. *- Engineer - Mar, 2018 to present*

- React: in a team of 3, created the V1 of CommureNotes, our platform's first home-grown FHIR-native web and mobile application
- Rust: in a team of 2, implemented the entire FHIR terminology service specification and CQL parser and engine
- Front-end: built a front end clinical calculator application using CQL, working with designers for a polished look
- Back-end: designed a templating DSL for generating complex randomized clinical data and wrote the parser, engine and CLI in Rust
- Full-stack: led an experimental project, integrating with a potential customers' WebSocket API, building a polished registration web app, and adding a feature to one of our existing web and mobile apps.
- External: worked with hospital and developer customers to architect their data models and fine-grained security policies
- Internal: conducted 80+ interviews from engineering intern to M.D. product manager to CFO, helping to grow the company from 12 to 70

Conclave Project *- Co-creator / maintainer*

- Decentralized, collaborative text editor in vanilla JavaScript
- Optimized structure of custom CRDT to increase throughput 1000x
- Utilized WebRTC to reduce latency and achieve real-time effect
- Designed p2p architecture to allow dozens of concurrent users

https://conclave-team.github.io/conclave-site/

SKILLS

Advanced: JavaScript - React - FHIR

Proficient: Rust - TypeScript - SQL - Ruby - Node - git - XACML

Familiar: Azure - Docker - Kubernetes - Rails - Express - Postgres - ReasonML

Other: Spanish - honesty - cooking - empathy - singing - communication

EDUCATION

Launch School - *Software Engineering* - 2015 to 2017
Online learning focused on mastery of fundamentals in fullstack development.

Community Colleges - *Nutrition, Anatomy, Physiology* - 2012 to 2014
Maintained a 4.0 GPA at various East Bay campuses.

University of California, Los Angeles - *B.S. Neuroscience* - 2005 to 2010
Minored in Spanish, graduated Cum Laude, worked in immunohistochemistry and bilingual Parkinson's Disease research.