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Experience _____

SpaceCraft

COCREATOR / SOFTWARE ENGINEER

Oct 2018 - Present

- Cocreated an open-source, in-browser REPL (Read-Eval-Print-Loop) where users can collaborate together in real time, using Node.js, WebSockets, and Docker.
- Implemented state synchronization in the front-end REPL terminal, using CRDT and eventual consistency to resolve conflicts.
- Reduced network latency by over 10% by removing the need to buffer outputs through server-side caching.
- Strengthened application security by isolating containers to prevent malicious user code from affecting the host system.
- Built a reverse proxy server from scratch to manage multiple user sessions and forward requests to the appropriate containers.
- Wrote a detailed case study: spacecraft-repl.com/whitepaper

Full-Stack Development (Freelance)

SOFTWARE ENGINEER

Mar 2016 – Jan 2019

• Developed a wide range of full-stack applications for open-source projects.

Launch School

CONTENT DEVELOPER

Oct 2017 - Jan 2018

• Developed curriculum content for an online mastery-based software engineering school.

Projects _____

Myflix

Rails, SQL

A VIDEO SUBSCRIPTION APPLICATION, SIMILAR TO NETFLIX.

Postit

Rails, SQL

A SOCIAL NEWS AND DISCUSSION APPLICATION, SIMILAR TO REDDIT.

Ticket Tracker

Rails, SQL

An application that manages tickets by tracking issues and changes. Optimized ticket count SQL

QUERY BY REDUCING IT TO O(1) FROM O(N).

Todo List

JavaScript

A TODO-LIST APPLICATION BUILT FROM SCRATCH USING VANILLA JAVASCRIPT.

Skills __

Back-end: Node.js, Ruby, Rails, SQL, RESTful APIs

Front-end: JavaScript, React, HTML/CSS
Other: Linux, Bash, Vim, Docker, DevOps

Education _____

Launch School

SOFTWARE ENGINEERING Mar 2016 – Jan 2019

University of California, Irvine

BA IN PSYCHOLOGY Aug 2008 – Jul 2011

Achievements _____

Codewars Top-100 Ranking, Completed over 2000 coding challenges. **Software Engineering Blog Writer**, Authored multiple articles with over 10,000 total views.