Ian Kranz
Software Engineer

Full stack software engineer specializing in web product development.

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Experience

Software Engineer – Spoak
February 2022 – September 2023

- Developed and maintained core product leveraging TypeScript with VueJS and GraphQL, working closely with product and design.
- Constructed JavaScript modules and Node.js server microservices to feed the needs of full-stack application getting thousands of new users per month.
- Implemented a new design system using VueJS, TypeScript, and Tailwind CSS that was used by all engineers for a complete product redesign.
- Improved 2D graphical editing tool feature using the FabricJS library, increasing user success by 20%
- Bolstered the Spoak Google Chrome Extension by improving usability with JavaScript and CSS, and improved quality of REST API results.
- Shipped and gauged the performance of new features using data analysis in Amplitude Analytics and A/B testing with Amplitude Experiment.
- Collaborated with remote-first team daily via Slack and used GitHub to submit changes, review code, and deploy the production application.

Underwriter – QFS Capital
July 2021 – February 2022

- Analyzed small business financial statements to determine risk terms of deals ranging up to $2M using Microsoft Excel models and internal tools.
- Developed an underwriting plugin for parsing relevant data from dense financial documents using Java.

Accounting Administrator – Odelson Financial Services
December 2019 – May 2021

- Researched insurance and annuity products to meet client wealth management objectives.
- Enabled clients to save money on taxes through tax research and preparation.

Electrical Engineering Intern – Molex
May 2018 – Aug 2018

- Designed and built printed circuit boards for internal prototypes.
- Programmed embedded microcontrollers for I/O operations using the C programming language.

Projects

Dewdayte: Next.js and React based task management application.
Startup Niche Factor: Django REST API with React SPA rating site.

Skills

Programming languages
JavaScript, TypeScript, Python Java, SQL, HTML, CSS

Programming concepts
Data Structures, Algorithms, Object Oriented Programming

Front end libraries
React, Vue, Redux, fabric.js, three.js, Jest, Vitest, Tailwind

Web frameworks
Next.js, Nuxt.js, Django, Spring Boot, Node.js, Express

Web conventions
HTTP, REST APIs, GraphQL

Cloud platforms
Heroku, AWS, Vercel, Railway

Data solutions
PostgreSQL, MySQL, Firebase

Product development
Figma, Asana, Amplitude, A/B Testing

Development tools
Git, GitHub, NPM, Vite, VSCode, Postman

Education

Cornell University
B.S. Electrical and Computer Engineering
Magna cum laude
3.97 GPA
Aug 2015 – May 2019

Certificates

JavaScript Certified

React.js Certified