Daniel Zych

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I'm a highly-motivated Full-stack Software Engineer who loves building applications with robust yet elegant front-ends that make getting value from the underlying business logic as easy as possible for users. Experienced with collaborating across technical and non-technical teams in a startup setting.

TECHNICAL SKILLS

Languages - Javascript, Typescript, Python, SQL, PostgreSQL, GraphQL, HTML, CSS, Sass

Libraries - React, React Testing Library, React Transition Group, Lodash, Chart.js, Beautiful Soup, Geopy, WTForms

Frameworks / Tools - Node, Express, Jest, Tailwind, Bootstrap, Flask, SQLAlchemy, Svelte, unittest, Git, Github, S3, Figma, Jira

SOFTWARE ENGINEER EXPERIENCE

Software Engineer Intern   Oct 2023 – Nov 2023

Foqal.io   *Remote*

- Translated complex design requirements into interactive and responsive components in React, Typescript, GraphQL, and Sass codebase as part of frontend redesign
- Built redesigned "card" component to dynamically query for and present live data, as determined by user preferences
- Built interaction-heavy NavBar component, using React Router to navigate users, and CSS to animate collapse of Nav Bar and additional UI interactions
- Tested to ensure style and functionality of components in previous version of product, making sure that new style and functionality only were viewable to users who opted into trialing new version
- Collaborated asynchronously with Product Owner to ensure components were implemented correctly and adhered to company style guide

TECHNICAL PROJECTS

Friender   <u>Live Demo</u> | <u>Github</u>
- Utilized geolocation and recursive database relationship with GeoPy and SQLAlchemy to build social network that allows users to search and match with other nearby users
- Secured API routes using JWTs for user authorization, and WTForms to validate JSON payload
- Stored and accessed user profile photos using AWS S3
- Built frontend SPA that provided user interface to discover, match, and chat with nearby users using Typescript, React, and Tailwind CSS

Jobly   <u>Live Demo</u> | <u>Github</u>
- Designed and built RESTful API with Express to provide data to job-board-like frontend React application
- Implemented live search feature using Lodash debounce as part of modern and responsive UX
- Practiced Test Driven Development using Jest and React Testing Group to ensure code met requirements

Warbler   <u>Live Demo</u> | <u>Github</u>
- Implemented server-side rendering to reduce client-side page load times using Flask and Jira
- Implemented integration and unit tests with Python unittest to achieve 99% coverage
- Utilized object-oriented programming principles to model users, posts, and other entities and their relationships
- Managed user authorization and session using WTForm validation, Bcrypt, and Flask session

ADDITIONAL WORK EXPERIENCE

Touring Musician and Record Producer   May 2022 – August 2023

Freelance   International

- Planned live show with artist and provided audio-visual assets and requirements to venue staff to ensure professional caliber liver performances
- Garnered reputation as exciting and professional performer over 100+ international tour dates
- Managed and executed the recording and production of multiple records
- Handled customer service, booking, and invoicing as independent contractor

Junior Product Manager   November 2020 – May 2022
Rentable   Madison, WI, Remote
- Grew new business intelligence product to over 200+ customer accounts after receiving ownership during beta/MVP phase
- Collaborated with executive leadership, engineering, design, sales, marketing, support, and onboarding teams to successfully plan, execute, and rollout full redesign of product
- Planned and implemented product analytics strategy using Mixpanel and Segment, leading to Improved DAU, WAU, MAU, and Average Session Duration
- Conducted always-on user research and user interviews to maintain an up-to-date and prioritized backlog to use in product roadmapping and sprint planning
- Lead engineering team sprint planning and maintained tickets in Jira

Property Research Lead   April 2018 – November 2020
Rentable   Madison, WI
- Managed team responsible for collecting and verifying property data for apartment listing website
- Leveraged web-scraping technology to identify gaps in database, leading to a 10x growth in site's rental listing inventory nationwide
- Began and managed partnership with third-party organization that handled data input and verification
- Hired, onboarded, and managed interns on Inventory team
- Built data aggregation prototype that scraped apartment pricing data and generated unit-level pricing information using Python and postgresQL

Lead Security Advocate   May 2016 – April 2018
Domestic Abuse Intervention Services   Madison, WI
- Maintained physical security of building through use of security software and technologies
- Responded to and deescalated internal and external security threats, emergencies, and mental health crises with calm and collected demeanor
- Collaborated with local law enforcement to ensure safety of shelter residents when necessary
- Supported and provided resources to victims while staffing help line

EDUCATION

Rithm School   2023
Full Stack Web Development Bootcamp
University of Wisconsin-Madison   2016
B.S. Philosophy, B.S. Psychology   Madison, WI