Melanie Wong

Full Stack Software Engineer

✉ wong.mela@gmail.com 📞 (631) 988-4522 in linkedin.com/in/melaniewong123 ⬛ github.com/melawong

WORK EXPERIENCE

Full Stack Software Engineer @ Let's Get Set   Sept 2022 - Present **//** San Francisco, CA - Remote
Developed a full stack tax product utilizing React/NextJS, Typescript, Ruby on Rails, Django/Python, and PostgreSQL

- Led strategy, design, implementation, and analysis of discount and referral programs within the application, resulting in a 13% increase in user acquisition for those channels.
- Introduced thorough Cypress end-to-end testing, cutting manual testing by 80% and reducing production bugs significantly.
- Achieved a 50% (3s) reduction in application loading time by reducing redundant API calls, caching static assets, utilizing selective server-side rendering, and replacing slow-loading custom fonts.
- Led end-to-end feature development for a user-partner matching system for tax preparation, a savings goal tracking feature, a sophisticated and dynamic home screen, and an extensive tax refund estimator.
- Owned all 3rd-party integrations within the application, including filing services through Column Tax, optimized payments for fees and tipping via Stripe, and Pluto automated text messaging services.
- Executed comprehensive post-season data analysis of user acquisition and conversion strategies, utilizing SQL and Heap Analytics data to extract insights and inform strategy decisions for the next product cycle.
- Successfully migrated the complete backend of the application from Ruby on Rails to Django/Python, establishing a highly modular and maintainable codebase and improving app performance.

Software Engineer Intern @ Foqal   May 2022 - June 2022 **//** San Francisco, CA - Remote
- Contributed to feature development on a production codebase using React, Typescript, and GraphQL, including configuring and customizing a React Slate editor for rich text preservation, implementing Cypress end-to-end testing, and designing a streamlined logo management system with React Dropzone for efficient file uploads.

Owner @ Melanie Wong Clarinets   Dec 2013 - Mar 2022 **//** Phoenix, AZ; Los Angeles, CA; New York, NY
- Garnered international reputation among the top instrumentalists for expert repair and customization services.
- Handled customer service, booking, sales and billing for 1000+ clients, maintained financial records, managed orders and inventory, facilitated instrument sales for 50+ buyers per month.
- Led 25+ workshops on instrument repair and maintenance for performers and educators.
- Managed and trained one part-time employee, as well as trained two repair technicians now working in the field.

PROJECTS

Kid Vault - *1st Prize Winner of StepZen GraphQL Challenge   **Demo** - **Github**
- Architected and developed a full stack product utilizing React, GraphQL, Flask/Python, and PostgresQL designed to allow parents and schools to store and access critical data about their children.
- Utilized StepZen to seamlessly integrate multiple endpoints into a unified GraphQL API and protected routes with authorization/authentication using JSON Web Tokens and Bcrypt to safeguard sensitive personal information.

SKILLS & INTERESTS

Programming & Query Languages: Javascript (ES6), Typescript, Python, GraphQL, SQL, HTML, CSS, Ruby, SCSS

Libraries & Frameworks: NextJS, React, Ruby on Rails, Flask, Express, Node, Jest, Jasmine, React Testing Library, Cypress

Databases & ORMs: PostgreSQL, SQLAlchemy, Amazon S3

EDUCATION

Rithm School - Full Stack Web Development   Mar 2022 - June 2022 **//** San Francisco, CA

Arizona State University - Masters: Music   Aug 2010 - May 2012 **//** Phoenix, AZ

New York University - Bachelors: Psychology, Music   Sept 2005 - May 2009 **//** New York, NY