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TIM FROEHLICH

Developer and designer with a focus on complex UX problem-solving.
I want to close the gap between thought and creation.

Skills

Development: fluent in HTML, CSS, React, TypeScript / JavaScript, favoring functional reactive approaches; familiar with SVG, Canvas, d3, PHP, Java, and Node.js

UI/UX: comfortable drafting mockups and wireframes, designing workflows, performing user and stakeholder interviews, and building component styleguides

Work

LEAD SOFTWARE ENGINEER – *Vesta Healthcare / Hometeam*   *Jun 2018–Dec 2020*

- Front-end architect for healthcare platform containing one React web app and two React Native mobile apps, supporting quality care for seniors living at home.
- Created reusable component styleguide across application suite, with a focus on simplicity for non-technical users and accessibility for elderly users
- Converted web application codebase (~60k lines) from JavaScript to TypeScript
- Introduced unit testing with Jest, Enzyme, and React Testing Library
- Supervised QA team: hired and trained analysts, defined testing and release processes, guided development of automated end-to-end tests in Cypress
- Established agile processes and rituals; managed and configured Jira; delivered weekly release reports and quarterly velocity retrospectives

SENIOR FRONTEND DEVELOPER – *Doctor Evidence*   *Apr 2014–May 2018*

- UI lead for clinical research meta-analysis platform containing multiple web apps
- Built all reusable frontend components and styleguide for application suite
- Architected and implemented new front-end data model for clinical research trials, improving app load times by 75% and reducing data payloads by 90%
- Converted entire codebase (~100k lines) from CoffeeScript to TypeScript
- Created interactive data visualizations using SVG and d3 libraries
- Drafted mockups and workflow diagrams for all major feature requests
- Supervised QA team: hired and trained new analysts, implemented project management tooling (Zenhub, Jira) and release management processes
- Hired as a Junior Frontend Engineer; promoted to Frontend Engineer after 1 year; promoted to Senior Frontend Engineer after 2 years

CREATIVE DEVELOPER – *AQ Tech Group*   *Feb 2013–Aug 2013*

- Designed and implemented frontend for a public-facing e-commerce website using HTML, CSS, JavaScript, and jQuery
- Coordinated with backend developer to build inventory, shopping cart, and checkout system using PHP and MySQL
- Constructed product selection interface, wholesale portal for corporate customers, and HR purchasing management system using PHP and jQuery
- Established and managed AdWords campaigns; photographed and edited product catalogue using Photoshop; designed sales brochures using Illustrator

DATA ASSISTANT – *Ecological Society of America*   *Apr 2010–Nov 2012*

- Independently developed an automated PHP application to manage a large collection of online archives for published research, greatly decreasing team workload (esapubs.org/archive)
- Implemented SQL Server 2008 into existing server environment. Used MySQL to construct and maintain accompanying database for archive applications
- Deployed site-wide usage tracking. Leveraged traffic data to propose structural and aesthetic upgrades, then implemented them in HTML, CSS, and JavaScript
- Assisted team members as necessary by proofreading and copy editing publication material, answering author queries, and providing technical support