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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

Technologies: fluent in HTML, CSS, EcmaScript6/7 (JavaScript), TypeScript, CoffeeScript; proficient with SVG, Canvas, d3; comfortable with webpack / gulp / grunt, npm / yarn / bower / browserify; familiar with PHP, SQL, and Node.js

Development: fluent in functional-reactive frameworks; comfortable with both functional and OOP styles; experienced in agile/scrum management styles

Software & Tools: Photoshop, Illustrator, Lucidchart, JIRA, Github, Google Analytics, TeamCity, Stackify, New Relic, Raygun, Usersnap

Work

UI LEAD – *Doctor Evidence*   *Jan 2016–**
- Refactored all front-end components to declarative, reactive framework (Alkali)
- Drafted mockups for all major features; performed user interviews and met with stakeholders to define specifications and requirements
- Hiring, onboarding, and assessment of new front-end developers
- Implemented new system-wide data reporting tools in TypeScript
- Created new data entry platform for parsing and storing clinical research data
- Regularly audited performance of all site behavior, reporting benchmarks and profiles for any new packages or language features being introduced

SENIOR FRONT-END DEVELOPER – *Doctor Evidence*   *Jan 2015–Jan 2016*
- Architected and implemented new front-end data model for clinical research trials, improving app load times by 75% and reducing data payloads by 90%
- Built 6 multi-step wizards for filtering, selecting, and analyzing research data
- Created release and deployment processes; guided QA team with release overviews and testing priorities
- Researched and implemented tooling for project management (Zenhub, Zube, JIRA); collected and reported monthly release statistics
- Converted entire codebase (> 100k lines) from CoffeeScript to ES6 (JavaScript)

FRONT-END DEVELOPER – *Doctor Evidence* *Apr 2014–Jan 2015*

- Designed and implemented visual structure for new single-page application
- Built all reusable, reactive front-end components (dialogs, dropdowns, popovers, radios, form groups) using CoffeeScript, ES5, HTML, and CSS
- Created and enforced aesthetic style guide
- Created interactive data visualizations using d3, SVG, and c3

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

- Designed and implemented the front-end for a public-facing e-commerce website using HTML, CSS, JavaScript, and jQuery (myinserts.com)
- Coordinated with back-end 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
- Shot photographs for entire product catalogue and factory production process, edited using Photoshop CS5. Designed sales brochures using Illustrator CS5
- Established and managed AdWords campaigns, lead meetings on marketing and branding strategy

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
- Rewrote on-site instructions and tutorials to improve accessibility and legibility
- Assisted team members as necessary by proofreading and copy editing publication material, answering author queries, and providing technical support