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Ian Walter

I'm a software developer and manager with a little over a decade of experience. I'm interested in building software that is a pleasure to use and adds value to people's lives. I like when things are as simple as possible, but not simpler.

Technical Skills

Likes: node.js javascript postgresql redis go elixir vue.js docker elasticsearch git reactjs kubernetes rabbitmq
Dislikes: svn

Experience

Lead Frontend Developer – binx health
node.js, express, vue.js, redis, docker, kubernetes, apiblueprint, grails, webpack, postgresql
May 2018 → Current

- Managed team that built Node.js/Express and Vue.js SSR frontend applications
- Lead developer for QA automation and test data frameworks
- Helped improve backend and devops projects

Senior Software Developer – Invitae
reactjs, python, django, docker, mysql, elasticsearch, webpack, cypress
Oct 2017 → May 2018

- Improved development processes, continuous integration, and Docker environment setup for multiple commercial applications.
- Set up tools like Cypress.io for end-to-end testing, Storybook.js as a style guide, and npm to share common logic and UI components.
- Developed a super-lean Preact application for the Invitae.com careers page.

CEO – Optick
vue.js, webpack, elixir, elasticsearch, grafana, influxdb, docker, grails
Oct 2015 → Oct 2017

- Led Good Start Genetic's front-end development team to create a genetic testing e-commerce website and two patient portals using Vue.js and Webpack.
- Helped Appcues set up AWS infrastructure to allow them to automatically scale their Elixir API using Docker.
- Set up centralized logging using the ELK stack and internal monitoring using InfluxDB and Grafana so that Appcues would have better insight on the operation of their API which ingests millions of user events.

Senior Full Stack Developer – Luvo (formerly Flashnotes)
angularjs, django, redis, mysql, elasticsearch
Apr 2014 → Oct 2015

- Led front-end team in complete application redesign using AngularJS, SASS, and Gulp.
- Developed a real-time chat system for tutors and students using AngularJS and PubNub.
- Developed features and fixed bugs within the back-end Django (Python) API.

Senior Full Stack Engineer – DataRobot
angularjs, backbone.js, d3.js, python, flask, mongodb, node.js, jquery, twitter-bootstrap, git
Nov 2013 → Apr 2014

- Ported entire application front-end from Backbone.js to AngularJS.
- Designed and developed a AngularJS and Flask (Python) application from the ground up used to visualize key business, engineering, and support metrics.
- Created and improved data visualizations using D3.js.

Lead Software Developer – Retroficiency
angularjs, backbone.js, php, java, svn, highcharts, twitter-bootstrap, mysql, jquery
Apr 2012 → Nov 2013

- Led a team to create a new multi-threaded Java, MySQL, and Redis application used to project energy and energy cost savings when retrofitting different building technologies into commercial buildings.
- Built custom billing, support and reporting software using PHP, MySQL, and AngularJS.
- Added features and fixed bugs for our existing PHP and MySQL web application used by customers to analyze buildings for energy efficiency.

Software Developer – <u>Edvisors</u>   *Jun 2011 → Apr 2012*
php, mysql, kohana, zend-framework, svn, css, html, jquery

- Developed Kohana (PHP) and MySQL sites that helped students win scholarships, get matched to private loan offers, and get information on higher education.
- Worked as the lead developer tasked with integrating our entire portfolio of sites with social networking platforms such as Facebook (Open Graph), Twitter, and Google Plus.
- Using Hudson, Subversion and custom Shell scripting, I re-engineered our company's deployment process to be more stable, flexible, and maintainable.

Software Engineer – <u>Wellington Management</u>   *Jun 2009 → Jun 2011*
java, struts, grails, oracle, jquery, html, css

- Developed and re-designed a Grails, jQuery and Oracle web application to allow the Global Relationship Group to track Approaches, Products and Vehicles marketed to the firm's clients.
- Member of the Planning Board, a committee of senior members within the department tasked with the logistical planning surrounding application releases, hardware maintenances, and other IS operations.
- Developed and designed a Java Struts and Oracle web application that allows the Derivative Operation Group to review, approve, and edit daily and historical derivative transaction data before it's loaded into the firm's accounting system.

Education

BS, Computer Information Systems – Bentley University   *2005 → 2009*
java, oracle, uml, linux, .net, project-management, html, css, php

- Minor in Psychology.
- Won Best Marketing Plan as CTO of the Bentley Entrepreneurship Society at the Collegiate Entrepreneurship Organization conference in Chicago.
- Led and taught a group of peers how to program in PHP in order to develop a medical application for MGH within the Software Project Management course.

Public Artifacts

Spotlight on decision-tree – https://ianwalter.dev/spotlight-on-decision-tree/   *Oct 2019*
javascript, decision-tree

I created decision-tree [https://github.com/ianwalter/decision-tree] because I was creating a sort of online quiz and I wanted an abstraction to keep track of state as the user completed questions. With decision-tree, you can create a tree-like structure in which answers to questions determine which question or result is shown next as the user continues through the quiz.

Spotlight on vuex-reset – https://ianwalter.dev/spotlight-on-vuex-reset/   *Oct 2019*
vue.js, vuex

Vuex makes it easy to manage the app-wide state for a Vue.js application, but there is no built-in way to easily reset that state to it's initial value.

Readings

Dreaming in Code: Two Dozen Programmers, Three Years, 4,732 Bugs, and One Quest for Transcendent Software – Scott Rosenberg

JavaScript: The Good Parts – Douglas Crockford

The Phoenix Project: A Novel about IT, DevOps, and Helping Your Business Win – Gene Kim

Kubernetes: Up and Running: Dive into the Future of Infrastructure – Kelsey Hightower

Tools

First Computer: Macintosh Classic
Favorite Editor: vim