Richard Pasqualone
Software Engineer – Full Stack

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I am a Software Engineer with a passion for all things JavaScript and Node. I am an employee of Helix Education where I build and maintain highly extensible microservices in Node/Express that interface with an Angular UI that work together to customize, sanitize and deliver student leads to a multitude of clients in real time. I believe ES6, React and Redux are the greatest things since stackoverflow.

Bachelor of Computer Science 2013 - 2015
University of Advancing Technologies

Work Experience

Software Engineer / Full Stack Developer NOVEMBER 2015 - CURRENT
Helix Education

Helix Education provides tools to higher education institutions for marketing, enrollment, and retention, specifically targeted towards adult students. I assist the Find product team, delivering features in two-week iterations, subscribing to the Agile methodology. I mentor, delegate, QA, and pair-program with my teammates to ensure both rapid and quality product development. I author documentation and style guides and assist with development, as well as direct meetings and demos.

Software Engineer / Front-end Developer JUNE 2012 - OCTOBER 2015
eCreations LLC

Worked as part of a large Agile software engineering team in a high paced environment. Developed custom software platforms for international companies with team members spanning across the globe. Created code bases that utilized version control with Git and allowed for continuous integration and deployment with Jenkins resulting in efficient and effective development to production workflow. Worked with Maven, Java, JavaScript and jQuery to develop client-side, single-page software applications with access to local storage that allows in-app functionality while a user is offline. Participated in code reviews, collective code ownership, automated builds, and automated testing to insurxe clean, secure, and reusable code. Worked with clients to optimize application load and run times, significantly decreasing wait time. Expanded upon existing custom platforms to create more flexible and scalable frameworks, which resulted in increased rapid creation and deployment of web-based products.

Recreation Lead FEBRUARY 2004 - JUNE 2015
City of Phoenix - Parks and Recreation

Schedule, maintain, and oversee recreation courses, leagues, and events. Acted as a liaison between community and City officials to establish cost effective after school care for City residence. Handled multimedia marketing; print, web, video, for internal City programs. Designed brochures, program and facility logos and facility webpages.

Projects

Helix Find
SCALABLE INQUIRY MANAGEMENT PLATFORM

Find is an inquiry management platform that scrubs, qualifies, delivers, and monitors prospective students. We build microservices in Node.js that run on AWS EC2. They utilize a number of high-traffic, high-availability services to sanitize, filter, and route large amounts of data to clients in real time, including the Kafka messaging queue and Cassandra datastore. We write complex and test-centric Express APIs to facilitate data transfer between an Angular interface and a Mongo database; services that migrate data from legacy platforms to the new system; and processor systems that distribute large data sets among their peers to run intensive filters and implement highly customizable and extensible methods of client delivery, which implement data cacheing with Redis.

Wiley Efficient Learning
SINGLE-PAGE E-LEARNING APPLICATION

Efficient Learning Systems is a platform for e-learning products acquired by John Wiley & Sons. My employer served as a contractor company to spearhead frontend development of version 8 of the platform. ELS primarily serves test review products tailored to accountants preparing for exams. The learning tools provide rich, interactive content to the user via a single-page application that works offline by allowing the user to pre-download the content and storing their assessment results in localStorage as well as synchronizing the data with their account server-side when a connection is available. Wiley CFA Exam Review was launched in February 2015 on the v8.1 platform. We built the UI with a custom jQuery framework and implemented many large data set optimizations.

Employee Time Management System
SINGLE-PAGE TIME TRACKING AND REPORTING SYSTEM

ETMS was a collaborative business software project. It is web-based time-tracking software, a custom solution fitted to the accounting needs of a local company with over 100 employees. We developed it to be a single-page application with logic primarily handled on the frontend and redundant checks on the backend. The UI is a custom jQuery single-page framework that lazy-loads widget assets and the backend is a RESTful PHP API with MySQL.

Skills

JavaScript/ES6	Node/Express	React/Redux	Angular
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Bootstrap	**PHP/MySQL**	**WordPress**	**HTML/CSS**
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Mocha/TDD	**JIRA**	**jQuery**	**OOP**
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Git	**JetBrains**	**Photoshop**	**Illustrator**
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