Spencer Shadley

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EXPERIENCE

Tableau – Move to the Web, Seattle, WA   September 2016 – Present

Senior Software Engineer (January 2019 – Present)

- Redesigning Tableau's backend architecture to improve the responsiveness of interactions on the web by as much as 10,000%
- Drove the decision to remove Internet Explorer support from all products, estimated to save $8.3 million per year
- Partnered with several teams to fulfill ownership gaps, ultimately establishing new teams to improve long-term strategy
- Collaborated with Lake Washington Institute of Technology (LWTech) to add Tableau to the "Big Data Applications" course
- Guest lectured at LWTech on Big Data, Data Analytics and Tableau for the Spring 2019 "Big Data Applications" course
- Mentored several teams new to web development and created new resources to improve internal transitions to web development
- Created a system on Tableau Server to open the user's current work on the web, retaining unsaved changes, on Tableau Desktop
- Rewrote keyboard shortcuts system as a TypeScript module to enable consuming it in more of Tableau's products
- Fostered the Browser Client Community as the Browser Community of Practice Driver (3/15/19 – present)

Software Engineer (September 2016 – January 2019)

- Unblocked eight figure contracts by enabling creating 31 key datasources from the web – marketed as the top release highlight
- Integrated Service Workers to make Tableau a Progressive Web Application – early results show a page load time decrease of 36%
- Built a platform for creating keyboard shortcuts which was used to add 81 new shortcuts and initiated 100,000+ times by customers
- Represented web developers on the Foundational Advisory Board, discussing potential technologies and infrastructure to adopt
- Implemented various feature parity gaps between Tableau Server and Tableau Desktop
- Mentored a team new to web development as well as two interns
- Security Champion (1/1/18 – present), Foundational Advisory Board Member (1/1/18 – 6/10/19) and Scrum Master (4/2/18 – 6/10/19)

Bizler, Austin, TX   February 2016 – February 2017

Co-Founder, CTO, Lead Developer and Scrum Master

- Co-founded a company of five people to improve the experience of socializing at remote business conferences
- Architected the applications, including deciding relevant technologies such as Azure, ElasticSearch, Docker, TypeScript and Mocha
- Implemented cross platform RESTful APIs using MongoDB, Express, AngularJS and Node.js (MEAN)
- Designed the mobile and web application user experience, flows and desired features

Android > Apple Company, Austin, TX   August 2011 – February 2016

Founder and CEO

- Developed mobile applications for Android and Blackberry across in various stores
- Received 100,000+ total downloads and selected as Amazon's "Free App of the Day"
- Created a free website for teaching Android development, generating 100,000+ views

PayPal – Global Operations Architecture Team, Austin, TX   May 2015 – August 2015

Architect Intern

- Converted images into live UML diagrams which was completed and in production 11 weeks early
- Unified alert systems with a single-page MEAN web app with SSL, live chat and responsive design

IBM – InfoSphere Master Data Management, Austin, TX   May 2014 – August 2014

Software Development Intern

- Built a BlueMix web application to replace several systems using Reference Data as a Service

Garland Independent School District, Garland, TX   May 2012 – August 2013

Course Author and Advisor

- Authored Mobile Application Development course to fill a gap in the STEM curricula which is taught to 1,000+ students annually

PROJECTS AND LANGUAGES

Projects	• Created a visualization of anime data based on scraped information from MyAnimeList.net • Developed an Android app to scan and run hand-written code as part of a four-person hackathon • Deployed a website for learning Android development with 100,000+ views • Built two websites for the City of Austin to display local pool and trail data on a map
Languages	• Proficient in C#, TypeScript, JavaScript, Java, C++, C, HTML5, CSS, JSON, XML • Familiar with SQL, Shell Scripting, Python, JSP, x86 Assembly, Lisp
Technologies	• Node.js, React, Service Workers, Redux, Jasmine, Jest, Enzyme, git, perforce, MongoDB, Angular, Yarn

EDUCATION

The University of Texas at Austin, B.S. in Computer Science, Minor in Mathematics; CS GPA 3.8 / 4.0   August 2016