

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)
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)

Software Engineer (September 2016 – January 2019)

Unblocked eight figure contracts by enabling creating 31 key datasources from the web, which was marketed as the top release highlight
Integrated Service Workers to make Tableau a Progressive Web Application, with early results showing 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
Mentored a team new to web development as well as interns
Scrum Master (4/2/18 – 6/10/19) and Security Champion (1/1/18 – present)

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