EXPERIENCE

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| **Tableau – Move to the Web (MttW)**, Seattle, WA | September 2016 – Present |

Senior Software Engineer

[Partnered with several teams to fulfill ownership gaps, ultimately establishing a new team](https://onlinehelp.tableau.com/current/pro/desktop/en-us/help.html" \l "creator_connect.html)

Drove the decision to remove Internet Explorer support from all products, saving an estimated $8.3 million per year

Expanded keyboard shortcuts into a TypeScript module to be consumed in more of Tableau’s products

Created a system on Tableau Server to open the current workbook, retaining session edits, on Tableau Desktop

Lectured at the Lake Washington Institute of Technology on Big Data, Data Analytics and Tableau

Collaborated with the Lake Washington Institute of Technology to add Tableau to the “Applications of Big Data” course

Mentored teams new to web development as well as an intern

Worked on various performance projects to improve page load time and interactions on the web

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

[Unblocked eight figure contracts by enabling creating 27 key datasources from the web, which was marketed as the top release highlight](https://onlinehelp.tableau.com/current/pro/desktop/en-us/help.html" \l "creator_connect.html)

Integrated Service Workers and an App Manifest to make Tableau a PWA with early results showing a page load time decrease of 36%

[Built a platform for creating keyboard shortcuts which was used to add 65 new shortcuts and initiated 100,000+ times by customers](https://onlinehelp.tableau.com/current/pro/desktop/en-us/shortcut.html)

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 a MttW intern

Presented frequently for Tableau’s Browser Client Community

Interviewed customers to learn more about Tableau Server usage

Scrum Master and Security Champion

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| **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 business conferences

Decided which technologies to use for our applications such as Azure, ElasticSearch, Docker, TypeScript, Mocha and JSDoc

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

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| |  |  | | --- | --- | | **Android > Apple Company**, Austin, TX | August 2011 – February 2016 |   Founder and CEO  Developed mobile applications for Android and Blackberry across the Google Play Store, Amazon AppStore, Nook Store and Blackberry  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](http://mapp-develop.appspot.com)  Led up to three people during various development phases | |
| |  |  | | --- | --- | | **PayPal – Global Operations Architecture Team**, Austin, TX | May 2015 – August 2015 | | 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

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| **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

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| **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](https://github.com/spencer-shadley/AnimeExporter)

Developed [an Android app](https://github.com/spencer-shadley/Scan-my-Code) to scan and run hand-written code as part of a four-person hackathon

Deployed [a website](http://mapp-develop.appspot.com/) for learning Android development with 100,000+ views

Built [a personal portfolio website](http://spencer-shadley.github.io/) using Jekyll

Built two websites for the City of Austin to display local pool and trail data on a map

Wrote a Pascal compiler to convert source Pascal code to executable assembly

Created an operating system including threads, virtual memory and file systems

**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

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

MORE INFORMATION

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