

# Spencer Shadley

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Full Stack Web Developer with a passion delivering meaningful impact, self-improvement, and growing others

## EXPERIENCE

<b>Tableau, a Salesforce Company – Stay on the Web Team</b> , Seattle, WA	Sep 2016 – Present
Principal Software Engineer	Jan 2021 – Present
<ul style="list-style-type: none"><li>Reduced costs by \$50 million/year and vastly improved data quality by automating event-driven telemetry data collection</li><li>Delivered features marketed as the top highlight such as Workbook Optimizer and performance-oriented projects</li><li>Advised projects across teams and individuals, led cross-org efforts, founded new teams, lectured for communities, etc.</li><li>Revamping all of Tableau to a code ownership experience model from a component-based model</li></ul>	
Lead Software Engineer	Aug 2020 – Jan 2021
<ul style="list-style-type: none"><li>Improved time to interactive performance by 10,000% by initiating a re-architecture of Tableau across orgs and teams</li><li>Mentored numerous engineers, over 50 of which mentioned myself as their mentor in yearly review feedback</li><li>Implemented the Tableau protocol for seamless transitions between web and desktop, originally as a hackathon</li><li>Transpiling 1.3 million lines of source code for the core Tableau visualization from Saltarelle to TypeScript</li></ul>	
Senior Software Engineer	Jan 2019 – Aug 2020
<ul style="list-style-type: none"><li>Saved \$8.3+ million per year by driving the decision and effort to remove Internet Explorer support from all products</li><li>Established new teams across orgs to improve performance, ensure high-quality data source connectors and more</li><li>Fostered Tableau's web community as the Web Community Driver and through mentorship of teams, engineers and interns</li></ul>	
Software Engineer	Sep 2016 – Jan 2019
<ul style="list-style-type: none"><li>Unblocked eight-figure contracts by building a platform to enable 31 key datasource connectors on Tableau Server</li><li>Migrated Tableau to a Progressive Web Application (PWA), results showed a page load time decrease of 36%</li><li>Improved agile best practices as Scrum Master and security best practices as Security Champion</li></ul>	
<b>University of Washington</b> , Instructor   Seattle, WA	Nov 2019 – May 2020
<ul style="list-style-type: none"><li>Taught extended bootcamp on Full Stack Web Development as part the university's Continuing Education Program</li><li>Covered 103 topics including computer science theory, databases, frontend and backend web development</li><li>Exceeded target performance metrics, rated 4.9/5 on instructor knowledge and placed within the top 20% of instructors</li><li>Delivered 15 hours of lecture and 10 office hours each week for the six-month course, reviews at <a href="https://bit.ly/2VaBoYE">https://bit.ly/2VaBoYE</a></li></ul>	
<b>Bizler</b> , Co-Founder, CTO, Lead Developer, Scrum Master   Austin, TX	Feb 2016 – Feb 2017
<ul style="list-style-type: none"><li>Co-founded a company of five people to improve the experience of networking at offsite business conferences</li><li>Architected the apps and chose technologies including Azure, Elasticsearch, Docker, TypeScript and Angular</li></ul>	
<b>Android &gt; Apple Company</b> , Founder and CEO   Austin, TX	Aug 2011 – Feb 2016
<ul style="list-style-type: none"><li>Developed mobile applications for Android and Blackberry published in various stores</li><li>Generated 100,000+ total downloads and selected as Amazon's "Free App of the Day"</li></ul>	
<b>PayPal – Global Operations Architecture Team</b> , Intern   Austin, TX	May 2015 – Aug 2015
<ul style="list-style-type: none"><li>Converted images into live UML diagrams which was completed and in production 11 weeks early</li><li>Produced single-page MEAN alerts web app using SSL, responsive design and live chat with WebSockets and Socket.io</li></ul>	
<b>IBM – InfoSphere Master Data Management</b> , Intern   Austin, TX	May 2014 – Aug 2014
<ul style="list-style-type: none"><li>Built a BlueMix web application to replace several systems using Reference Data as a Service</li></ul>	
<b>Garland Independent School District</b> , Course Author   Garland, TX	May 2012 – Aug 2013
<ul style="list-style-type: none"><li>Authored Mobile Application Development course to fill a gap in the STEM curricula, taught to 1,000+ students annually</li></ul>	

## PROJECTS AND LANGUAGES

<b>Projects</b>	<ul style="list-style-type: none"><li>Guest-lectured at LWTech on 'Big Data' and data analysis for the Spring 2019 "Big Data Applications" course</li><li>Created platform for keyboard shortcuts with W3C accessibility, platform detection, etc. used millions of times</li><li>Deployed a free website for learning Android development taken by 100,000+ unique students</li><li>Developed an Android app to scan and run hand-written code as part of a four-person hackathon</li><li>Built two websites for the City of Austin to display local pool and trail data on a map</li><li>Created popular data visualizations such as algorithmically personalized anime recommendations</li></ul>
<b>Languages</b>	<ul style="list-style-type: none"><li>Proficient in C#, TypeScript, JavaScript, Java, C++, C, HTML5, CSS</li><li>Familiar with SQL, Shell Scripting, Python, x86 Assembly</li></ul>
<b>Technologies</b>	<ul style="list-style-type: none"><li>MongoDB, Express, React, Node.js, Redux, Jasmine, Enzyme, Jest, Mocha, Service Workers, git, perforce</li></ul>

## EDUCATION

**The University of Texas at Austin**, B.S. in Computer Science, Minor in Mathematics

2012 – 2016