

# Spencer Shadley

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## EXPERIENCE

### Tableau – Stay on the Web Team, Seattle, WA

September 2016 – Present

#### Principal Software Engineer

- Revamping code ownership for all of Tableau by shifting to an experience model, refactoring the codebase and more
- Automated event-driven telemetry data collection, vastly improving data quality and reducing costs by \$50 million/year
- Created the Workbook Optimizer platform, micro-service and initial feature-set, the top feature for multiple releases
- Implemented Tableau protocol for seamless transition between web and desktop, the top marketed feature on release

#### Lead Software Engineer

- Led teams across orgs to rearchitect Tableau Server's backend, improving time to interactive performance by 10,000%+
- Converting 1.3 million lines of source code for the core Tableau visualization from Saltarelle to TypeScript
- Enabling a Connected Experience between Tableau Server and Tableau Desktop utilizing custom protocols

#### Senior Software Engineer

- Drove decision to remove Internet Explorer support from all products, estimated to save \$8.3 million per year
- Established new teams in several orgs to improve performance, ensure high quality datasource connectors and more
- Fostered Tableau's web community as the Web Community Driver and through mentorship of teams, engineers and interns

#### Software Engineer

- Unblocked eight-figure contracts by building a platform to enable 31 key datasource connectors on Tableau Server
- Migrated Tableau to a Progressive Web Application (PWA), results showed a page load time decrease of 36%
- Improved agile best practices as Scrum Master and security best practices as Security Champion

### University of Washington, Instructor | Seattle, WA

November 2019 – May 2020

- Taught six-month bootcamp on Full Stack Web Development as part the university's Continuing Education Program
- Covered 103 topics including computer science theory, databases, frontend and backend web development
- Exceeded target performance metrics, rated 4.9/5 on instructor knowledge and placed within the top 20% of instructors
- Delivered 15 hours of lecture and 10 office hours each week, reviews at <https://bit.ly/2VaBoYE>

### Bizler, Co-Founder, CTO, Lead Developer and Scrum Master | Austin, TX

February 2016 – February 2017

- Co-founded a company of five people to improve the experience of networking at remote business conferences
- Architected the apps and chose technologies including Azure, Elasticsearch, Docker, TypeScript and Angular

### Android > Apple Company, Founder and CEO | Austin, TX

August 2011 – February 2016

- Developed mobile applications for Android and Blackberry published in various stores
- Generated 100,000+ total downloads and selected as Amazon's "Free App of the Day"

### PayPal – Global Operations Architecture Team, Austin, TX

May 2015 – August 2015

- Converted images into live UML diagrams which was completed and in production 11 weeks early
- Produced single-page MEAN alerts web app using SSL, responsive design and live chat with WebSockets and Socket.io

### IBM – InfoSphere Master Data Management, Austin, TX

May 2014 – August 2014

- 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

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

## PROJECTS AND LANGUAGES

#### Projects

- Lectured at LWTech on Big Data, Data Analytics and Tableau for the Spring 2019 "Big Data Applications" course
- Created a visualization of anime data based on scraped information from MyAnimeList.net
- Deployed a free website for learning Android development viewed by 100,000+ unique visitors
- Developed an Android app to scan and run hand-written code as part of a four-person hackathon
- 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
- Familiar with SQL, Shell Scripting, Python, x86 Assembly

#### Technologies

- MongoDB, Express, React, Node.js, Redux, Jasmine, Enzyme, Jest, Mocha, Service Workers, git, perforce

## EDUCATION

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

2012 – 2016