Spencer Shadley

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EXPERIENCE

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

Senior Software Engineer (January 2019 – Present)
- Converting 1.3 million lines of source code for the core Tableau visualization codebase from Saltarelle to TypeScript
- Rearchitected Tableau's backend reducing the time to complete interactions on the web by over 10,000%
- Drove the decision to remove Internet Explorer support from all products, estimated to save $8.3 million per year
- Established new teams across multiple orgs to improve performance and ensure high quality datasource connectors
- Mentored five teams and numerous individuals including two interns

Software Engineer (September 2016 – January 2019)
- Unblocked eight-figure contracts by building a platform to enable 31 key datasource connectors on Tableau Server
- Built a platform for creating keyboard shortcuts which became the second most consumed UI module at Tableau
- Migrated Tableau to a Progressive Web Application, results showed a page load time decrease of 36%
- Implemented various feature parity gaps between Tableau Server and Tableau Desktop
- Security Champion (1/1/18 – present), Scrum Master (4/2/18 – 6/10/19), Web Community Driver (4/1/19 – 5/5/20)

University of Washington, Seattle, WA   November 2019 – May 2020

Instructor
- 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 weekly 15 hours of lecture, 10 office hours and 25 hours of content creation
- Received highly positive student reviews, available at https://bit.ly/2VaBoYE

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 apps and chose technologies including Azure, ElasticSearch, Docker, TypeScript and Angular

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

Founder and CEO
- 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

Architect Intern
- 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

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, 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