Spencer Shadley

469-774-0000 | sshadley.dev@gmail.com

Full Stack Developer with a passion for maximizing area under the curve impact, self-improvement, and growing others

EXPERIENCE

Astronomer (data orchestration startup) – Cloud IDE Team | Seattle, WA   Jan 2023 – April 2023

Staff Software Engineer
- Contributed to Apache Airflow and the Astronomer Cloud IDE – owned new features and fixed ~100 bugs
- Improved developer experiences – added unit test tooling/methodologies, redesigned state management, and more
- Laid off as part of ~50% company workforce reduction (performance was not a consideration)

Tableau, a Salesforce Company – Stay on the Web Team | Seattle, WA   Sep 2016 – Jan 2023

Principal Software Engineer
- Reduced costs by $50 million/year and vastly improved data quality by automating event-driven telemetry data collection
- Advised projects across teams and individuals, led cross-org efforts, founded new teams, lectured for communities, etc.
- Revamped Tableau to a code ownership experience model from a component-based model

Lead Software Engineer   Aug 2020 – Jan 2021
- Improved time to interactive performance by 10,000% by initiating a re-architecture of Tableau across orgs and teams
- Mentored numerous engineers, over 50 of whom mentioned me as their mentor in yearly review feedback
- Implemented the Tableau protocol for seamless transitions between web and desktop, originally as a hackathon

Senior Software Engineer   Jan 2019 – Aug 2020
- Saved $8.3+ million per year by driving the decision and effort to remove Internet Explorer support from all products
- Established new teams across orgs to improve performance, ensure high-quality data source connectors, and more
- Fostered Tableau's web community as the Web Community Driver and through mentorship of teams, engineers, and interns

Software Engineer   Sep 2016 – Jan 2019
- Unblocked eight-figure contracts by building a platform to enable 31 key data source 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   Nov 2019 – May 2020
- Taught extended bootcamp on Full Stack Web Development as part of 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 for the six-month course, reviews at https://bit.ly/2VaBoYE

Bizler, Co-Founder, CTO, Lead Developer, Scrum Master | Austin, TX   Feb 2016 – Feb 2017
- Co-founded a company of five people to improve the experience of networking at offsite business conferences
- Architected the apps and chose technologies including Azure, ElasticSearch, Docker, TypeScript, and Angular

Android > Apple Company, Founder and CEO | Austin, TX   Aug 2011 – Feb 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, Intern | Austin, TX   May 2015 – Aug 2015
- Converted images into live UML diagrams which were 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, Intern | Austin, TX   May 2014 – Aug 2014
- Built a BlueMix web application to replace several systems using Reference Data as a Service

Garland Independent School District, Course Author | Garland, TX   May 2012 – Aug 2013
- Authored Mobile Application Development course to fill a gap in the STEM curricula, taught to 1,000+ students annually

PROJECTS AND LANGUAGES

Projects	• Guest-lectured at LWTech on Big Data and data analysis for the Spring 2019 "Big Data Applications" course • Created platform for keyboard shortcuts with W3C accessibility, platform detection, etc. used millions of times • Deployed a free website for learning Android development taken by 100,000+ unique students • Built two websites for the City of Austin to display local pool and trail data on a map
Languages and Tools	• Proficient in TypeScript, C#, JavaScript, Java, C++, C, HTML5, CSS | React, Next.js, Chakra, Material UI, git • Familiar with Python, SQL, Shell Scripting, x86 Assembly | Perforce, Redux, Enzyme, Service Workers, PWA

EDUCATION

The University of Texas at Austin, B.S. in Computer Science, Minor in Mathematics   2012 – 2016