EXPERIENCE

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| **Tableau**, Seattle, WA | September 2016 – Present |

Software Engineer

Move to the Web Team

Advised and Mentored the TabX team to ramp up on web development

Mentored an intern

Built a keyboard shortcut platform

65 new shortcuts used this platform across various teams

Within a few months tens of thousands of shortcuts were initiated by users

Added Cloud Connectors (Dropbox and OneDrive) to the web

Presented for Tableau’s Browser Client Community (keyboard shortcuts, security, service workers, style, etc.)

Wrote scripts to auto-format the codebase to follow our style guidelines

Attended conferences such as CppCon and React Europe, presenting my learnings from each to the company

Found the most bugs in the company

Added a Chrome Extension, Chrome as new Tab to use Tableau as a Chrome Extension

Adding Service Workers to the web

Adding an App Manifest to the web

Wrote scripts to publish a code review, apply the changes to another server, start the server and update the review with a link

Interviewed customers on how they use Tableau Server and how the experience could be improved

Data Move to the Web (partnership)

Partnered with the Data Move to the Web Team to enable critical data related features on the web

Added the ability to connect to 27 key datasources

Unblocked several eight figure contracts

[Number one release highlight for Tableau](https://onlinehelp.tableau.com/current/pro/desktop/en-us/whatsnew_desktop.html#ConnectWebData)

Partnered with Maestro (Tableau Prep) and Connectivity to make this work shareable across all of our products

Enabled fully editing and reconnecting to existing connections on the web

First usage of RSA for encryption in our VizClient code

Helped to add the “Data Source Tab” on the web

Detected unsupported datasources and blocks users from interacting in yet-to-be-built areas

Detected broken datasources, displaying a red bang in those scenarios

Incorporated “Mini Whack-A-Moles” to increase product quality

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| **Bizler**, Austin, TX | February 2016 – February 2017 |

Co-Founder and Lead Developer

Stealth Startup

Lead backend developer, technology expert and SCRUM master for a team of four

Created a cross platform RESTful API (consumed by Android, iOS and Web)

Using the MEAN (MongoDB, Express, AngularJS, Node.js) stack

End-to-end involvement of product development

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| |  |  | | --- | --- | | **Android > Apple Company**, Austin, TX | August 2011 – February 2016 |   Founder and CEO  Develop mobile applications for Android and Blackberry  Published in Google Play Store, Amazon AppStore, Nook Apps, Blackberry, SlideME, Opera, GetJar, Appia Stores  50,000+ total downloads  Amazon “Free App of the Day” | |
| **PayPal – Global Operations Architecture Team**, Austin, TX | May 2015 – August 2015 |

Architect Intern

Clickable Architecture

Converted static images from PayPal's development wiki pages into live UML diagrams

Featured inline comments, granular permissions and subscription updates to changes

Completed and in production 11 weeks ahead of anticipated completion

Unified Alerts

Aggregated emailed alerts asynchronously in real-time to unify disparate alert systems

Single-page web app using the MEAN stack

Featured RESTful APIs, SSL, live chat, Asynchronous JavaScript and JSON (AJAJ) and responsive design

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| **IBM – Software Group**, Austin, TX | May 2014 – August 2014 |

Software Development Intern

Programmed and designed an end-to-end web application to use Reference Data as a Service (replacing several systems)

Written in Java, JavaScript, HTML5, CSS3 and SQL

Node.js and shell scripts published JSON data from a SQL relational database to a non-relational NoSQL Cloudant database

Deployed on BlueMixwith RESTful APIs

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| **Garland Independent School District (GISD)**, Garland, TX | May 2012 – August 2013 |

Course Author and Advisor

Authored Mobile Application Development course to fill a gap in the STEM curricula

Taught in all high schools of GISD (1,000+ students annually)

Produced a flashable system image for the GISD computer network (28,000+ systems)

PROJECTS AND LANGUAGES

**Projects** 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/) teaching Android development (100,000+ views)

Constructed a school district course exception system using Oracle APEX

Implemented 256-bit Advanced Encryption Standard (AES)

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

Developed Linux password cracking algorithm (fastest in Foundations of Security course’s history)

Programmed Huffman Compression and extended encoding entropy with variable symbol size

**Languages** Proficient in Java, JavaScript, C++, C, SQL, HTML5, CSS, JSON, XML, JSP

Familiar with Shell Scripting, x86 Assembly, Lisp

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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