

EXPERIENCE

ASTRONOMER (DATA ORCHESTRATION STARTUP), Seattle, WA 1/2023 – 4/2023

Staff Software Engineer, Cloud IDE Team

- Contributed to Apache Airflow and the Astronomer Cloud IDE. Owned new features and fixed 100+ bugs.
- Improved developer experiences. Added unit test tooling and methodologies, redesigned state management, and more.

TABLEAU, Seattle, WA 9/2016 – 1/2023

Principal Software Engineer (1/2021 – 1/2023)

- Reduced costs by \$50M per year and vastly improved data quality by automating event-driven telemetry data collection.
- Advised projects across teams and individuals, led cross-organization efforts, founded new teams, lectured for communities, etc.
- Improved time to interactive performance by 10,000%, by initiating a re-architecture of Tableau across organizations and teams.

Lead Software Engineer (8/2020 – 1/2021)

- Saved \$8.3M per year by driving the decision and effort to remove Internet Explorer support from all products.
- Mentored 50+ engineers, program managers, managers, interns, and teams

Senior Software Engineer (1/2019 – 8/2020)

- Unblocked eight-figure contracts by building a platform to enable 31 key data source connectors on Tableau Server.
- Created a platform for keyboard shortcuts with W3C accessibility, platform detection, etc. which was used millions of times.

Software Engineer (9/2016 – 1/2019)

- Migrated Tableau to a progressive web application (PWA). Results showed a page load time decrease of 36%.

UNIVERSITY OF WASHINGTON, Seattle, WA 11/2019 – 5/2020

Instructor

- 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 all target performance metrics, reviews available at bit.ly/42Dndfl.

ADDITIONAL ROLES

- BIZLER, **Co-Founder**, Architected and developed a business social app with Azure, Docker, and Angular. 2/2016 – 2/2017
- ANDROID > APPLE, **Founder and CEO**, Developed Android apps that generated 100k+ downloads. 8/2011 – 2/2016
- PAYPAL, **Intern**, Created system for live UML diagrams, in production 11 weeks early. 5/2015 – 8/2015
- IBM, **Intern**, Built a BlueMix web app, replacing several existing systems. 5/2014 – 8/2014
- GISD, **Course Author**, Authored mobile app course. Taught to 1k+ students annually. 5/2012 – 8/2013

PROJECTS AND LANGUAGES

Projects:

- Released OpenAI GPT-4 LLM fitness app to enable customized workouts and education targeting disabilities, rehabilitation, etc.
- Guest-lectured at LWTech on Big Data and data analysis for the Spring "Big Data Applications" course.
- Deployed a free website for learning Android development taken by over 100K unique students.
- Built 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, TanStack Query, and Git.
- Familiar with Python, SQL, Shell Scripting, x86 Assembly, Perforce, Redux, Enzyme, Service Workers, RTL, and PWA

EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN, B.S. in Computer Science, CS GPA 3.8 2012 – 2016