

Full stack developer with a passion for maximizing area under the curve impact, self-improvement, and growing others.

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 over 50 engineers, who consistently mentioned it as “inspirational” and “critical” to their success in their feedback.

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 an OpenAI GPT-4 LLM fitness app to enable customized workouts and learning for disabilities, rehabilitation, etc.
- Guest-lectured at LWTech on Big Data and data analysis for the Spring 2019 “Big Data Applications” course.
- Deployed a free website for learning Android development taken by over 100K 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, 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