

EXPERIENCE POINTS

TOOLS I ENJOY

Engineering Manager ▶ CesiumAstro
September 2025 — Current

- Providing software-defined communication systems and mission-ready satellites.
- ▶ Supported the acquisition of Vidrov and integration of the Vidrov platform with CesiumAstro's missions.
 - ▶ Manager for flight and ground software on the Element Satellite mission.

Director of Engineering ▶ Vidrov
February 2024 — September 2025

- Automating video analysis to support better decision making. (Acquired by CesiumAstro)
- ▶ Provided guidance for technical and professional growth to all members of the engineering team.
 - ▶ Implemented observability and automated recovery in Kubernetes to reduce mean time to recovery from hours to minutes.
 - ▶ Introduced unit testing and integration testing, reducing deployed unexpected defects from 50 monthly to less than 3 average monthly.
 - ▶ Improved the operational maturity of the engineering team to match NIST SP 800-171r3 compliance controls, achieving a DoD Authorization to Operate to fulfill USAF contracts.
 - ▶ Created a strong hiring structure and pipeline to build out a software engineering team.

Engineering ▶ HumanFirst
October 2020 — February 2024

- Building software to enable safe, effective, and equitable healthcare operations at home. (Acquired by ICON)
- ▶ Kept the engineering team's technical strategy aligned with business goals to deliver products driven by both data and user feedback - from the first lines of code of our public API to delivering lines of features that closed sales.
 - ▶ Led the engineering team to SOC2 and HIPAA readiness via creation of disaster recovery plans using infrastructure as code, incident preparedness playbooks, and features to support the principles of least privilege.
 - ▶ Developed best practices for both the Typescript backend and React frontend as well as automations to keep the team aligned to those practices.

Senior Engineering Manager ▶ Venmo
October 2018 — December 2019

- ▶ Develop cross-functional initiatives migrating Venmo to a distributed architecture.
- ▶ Brought reliability from 90% to 99.999% - from 73 hours to less than 30 seconds of downtime per month.
- ▶ Coordinate DEI recruiting initiatives to improve representation of underrepresented groups in hiring.

Co-Founder ▶ Forkbombus Labs
November 2015 — September 2018

Senior Engineering Manager ▶ Wayfair
February 2014 — February 2017

Software Engineer ▶ Limestone Networks
April 2012 — February 2014

Software Architect ▶ Accrisoft
February 2011 — April 2012

Experience points truncated for optimal viewing. Detailed points prior to October 2018 available upon request.

- Java
Spring, Hibernate, Dropwizard,
Storm, Spark
- PHP
Laravel, Symfony
- SQL
MySQL, MariaDB, T-SQL,
PostgreSQL, CockroachDB
- Cobol
COBOL-85
- Pascal
Delphi
- Python
FastAPI, SQLAlchemy, Django,
Twisted, Pandas, Keras,
Tornado, Celery
- Infrastructure
Linux, Kubernetes, Docker,
Helm, Puppet, Terraform,
Pulumi, AWS
- Javascript
Typescript, NextJS, Node,
Webpack, Express,
Tensorflow.js, React,
React Native, Expo
- NoSQL
HBase, MongoDB, DynamoDB,
Redis, ValKey, DynamoDB,
Cassandra
- CSS
CSS3, SASS, LESS
- Perl
Mojolicious, CGI
- C++
Boost
- C
C11, C99, CMake, ncurses, Unity