



software engineer

oscar@bezi.io
(864) 344 8965
<https://bezi.io>

backend

Node.js
Python
Go

front-end

Typescript
React

miscellaneous

Linux
Docker
Kubernetes
Helm
Rust

Boston Dynamics, Inc.

Feb 2021 - Jul 2023. Waltham, MA

Senior Software Engineer | Central Software Group

- Founded Cloud Services team to bring web development expertise to support robotics programs. Created initial high-impact production service as sole developer. Used project success to motivate company leadership to further invest in web services, growing team to three developers.
- Built cloud-backed data warehousing and indexing platform, allowing robotics engineers to find relevant logs from the office and fix customer issues remotely. **(Node.js, React)**
- Applied distributed engineering principles to scale from initial prototype to petabytes of indexed data with peak ingest in excess of ten gigabits per second and analysis SLAs of less than thirty minutes during business hours. **(Kubernetes, Google Cloud)**
- Built data extraction and analysis pipelines for machine learning, enabling engineers to retrain customer models using live data then rapidly redeploy them to the field. **(Python)**
- Integrated with Business Intelligence (BI) to stream data into Tableau and Snowflake, allowing BI analysts to inform product development with customer research. **(Node.js)**
- Designed and implemented a custom, fault-tolerant, and authenticated communications protocol enabling data delivery between field robots and cloud systems, including over unreliable customer networks. **(Node.js, C++)**
- Implemented local development, staging, and continuous deployment infrastructure for new web systems. **(Python, Helm, Terraform)**
- Led requirements, design, and project management for project teams of 3+ engineers.

Facebook, Inc.

Software Engineer | Release Engineering

Jan 2020 - Feb 2021. New York, NY

- Developed new platform for managing app and web releases to replace manual scripts and custom dashboards. Onboarded first release in six months. With additional team support, grew to six out of the "Big Eight" apps in another six months. **(React, Hack)**
- Contributed to Recoil.js, an open-source front-end data management library for React. Developed URL persistence system used across the company. **(Javascript, React)**
- Served on oncall rotation responsible for the company-wide continuous release. Coordinated cross-organizational responses to critical-severity incidents. Root-caused break-ages in systems across the company to fix outgoing releases.

Software Engineer | Website Signals

Aug 2017 - Jan 2020. Seattle, WA

- Developed Event Setup Tool, a web application injected onto third-party websites, allowing users to configure analytics setups on their own sites. **(React, Hack)**
- Supported revenue-critical analytics script loaded by billions of sites. Fixed compatibility bugs across browsers. Developed plugins to support new ads products and improve data integrity. **(Javascript, Hack)**
- Managed five interns, successfully supporting all of them to return offers.

HEBI Robotics, Inc.

May 2015- May 2017. Pittsburgh, PA

Software Engineer | Firmware, Web Services

- Unified firmware architecture for four separate robot platforms, empowering software developers to merge into a single team and modernize legacy systems. **(C++)**
- Implemented bootloader with support for over-the-air encrypted firmware updates. **(C)**

Carnegie Mellon University

2013-2017. Pittsburgh, PA

B.S. in Computer Science, Minor in Robotics