

Daniel Paz-Soldan

hello@danpaz.me | danpaz.me | github.com/danpaz

PROFESSIONAL EXPERIENCE

Shopify – Fairfax, VA May 2021 - Present
Staff Software Engineer

- Led engineering team developing billing systems for the Shopify Fulfillment Network, providing mentorship and setting technical direction for the platform, handling 20x revenue growth while reducing billing-related support tickets.
- Integrated Deliverr and Shopify billing systems as part of major acquisition, collaborating with multiple teams and stakeholders across Product, UX and Finance, leading technical design and building unified API for multiple frontends and shared backend for the combined Shopify Logistics customer base.
- Implemented improved observability and on-call practices in React, TypeScript and Ruby on Rails codebases, enabling faster and more efficient incident response, and resulting in 2x reduction in non-actionable alarms.

Mapbox – Washington, DC February 2018 - April 2021
Senior Software Engineer

- Developed backend services in Node.js, C++, and Rust, powering Mapbox Navigation APIs with 1M active users and 20M daily requests, implementing multiple new routing and guidance features in open-source routing engines.
- Ensured service quality during critical migration to a new routing backend by introducing internal tooling for visualizing API responses, shadowing production traffic against staging, and building CI pipeline for continuous regression testing.
- Established operational metrics for Navigation API team, reporting service availability and infrastructure costs to the company, as well as leading incident response and running postmortems when outages occurred.

Curiosity Media – Arlington, VA June 2014 - February 2018
Software Engineer

- Implemented data pipeline using Node.js microservices and AWS SQS to ingest, queue, and asynchronously process incoming data stream, enabling low latency data processing and flexible maintenance schedule.
- Created dashboard application and REST API with Node.js, Ember.js, and Elasticsearch, allowing users to perform custom data analysis across more than 100K records per month.
- Migrated cloud infrastructure from Chef to AWS EC2 Container Service (Docker) with zero downtime, reducing server costs, improving metrics visibility with StatsD and Datadog, and enabling rapid automated deployments.

HIP Consult – Washington, DC February 2013 - May 2014
Software Analyst

- Designed and developed mapping and visualization application using MongoDB, Express, Angular and CartoDB, enabling analysis of telecom and energy infrastructure coverage in emerging markets.
- Collaborated with team to build business plan, develop marketing strategy and launch product to government agencies.

COMMUNITY EXPERIENCE

DCJS, Node.DC, NovaNode, RustDC – Washington, DC June 2014 - September 2021
Meetup Organizer

- Organized regular meetups with various groups, hosting events such as hack nights, workshops, lightning talks, and presentations by industry leaders and community members on current technical topics for developers in the DC area.

The George Washington University – Arlington, VA January - June 2017
Teaching Assistant

- Mentored and taught over 60 bootcamp students of various career backgrounds to gain proficiency in full-stack web development.

EDUCATION

M.A.Sc, Electrical and Computer Engineering, University of Toronto, July 2011 - June 2013

B.Sc.E, Engineering Physics, Queen's University at Kingston, Sept 2008 - May 2011

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