

Daniel Paz-Soldan

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PROFESSIONAL EXPERIENCE

Shopify - Washington, DC

May 2021 - Present

Staff Software Engineer

- Led cross-functional team, steered technical direction and built billing systems for the Shopify Fulfillment Network, handling 20x revenue growth while reducing billing-related support tickets and increasing customer satisfaction with the value of the logistics product.
- Integrated backend systems for Deliverr and Shopify as part of major acquisition, enabling a smooth transition to a unified API for multiple frontend clients and a shared backend for the combined Shopify logistics merchant base.
- Implemented improved observability and on-call practices in TypeScript and Ruby on Rails backends, enabling diagnosis of background job failures, and reducing frequency of incidents by 90%.

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 new routing and guidance features in open-source routing engine.
- 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.
- Monitored operational metrics for Navigation API team, responsible for tracking service availability and infrastructure costs, responding to outages and incidents, and running postmortems.

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 new RESTful 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 - Present

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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