

Daniel Paz-Soldan

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PROFESSIONAL EXPERIENCE

Mapbox Washington, DC

February 2018 - Present

Senior Software Engineer, Navigation API

- Developed HTTP service in **Node.js** and **C++** powering Mapbox Directions APIs with 1M active users and 20M req/day.
- Implemented new routing and guidance features, in collaboration with Maps, Telemetry, and SDK teams, including alternative routes, junction views, and predictive routing, enabling new use cases for Mapbox Navigation products.
- Introduced tooling to ensure service quality during critical migration to a new backend service: custom web apps for debugging API responses, automatic shadowing of production traffic against staging, nightly regression test suite on CI.
- Monitored operational metrics for Navigation API team, responsible for measuring and tracking service availability and infrastructure costs, responding to outages and incidents, and presenting postmortems to the company.

Curiosity Media Arlington, VA

June 2014 - February 2018

Software Engineer

- Implemented robust 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, MySQL 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.

The George Washington University Arlington, VA

January 2017 - June 2017

Teaching Assistant, GW Coding Boot Camp

- Mentored and taught over 60 students of all backgrounds towards proficiency in full stack web development.
- Assisted instructor with classroom logistics, presented concepts and assignments, and assisted students one-on-one.
- Covered a range of topics including Git, HTML, CSS, JavaScript, jQuery, Express, React, Node.js, MongoDB, MySQL.

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.
- Rebuilt company website with responsive design and PHP CMS allowing for easy content management and developed customer payment portal using Stripe enabling secure online sales of company white papers.

COMMUNITY EXPERIENCE

DCJS, Node.DC, NovaNode Washington, DC

June 2014 - Present

Meetup Organizer

- Organized regular Meetup events such as hack nights and lightning talks, and invited industry leaders and community members to present on current topics for developers in the Northern Virginia / DC area.
- Hosted monthly *NodeSchoolDC* and *DCJS Playday* workshops for 20-50 students of all levels to learn to code in a group setting, and organized team of experienced developers to provide regular mentorship for event attendees.
- Instituted local chapter of annual *International NodeBots Day* event attracting over 30 hardware enthusiasts for three years in a row, including leading workshops, attracting corporate sponsors, and producing online advertising.

EDUCATION

M.A.Sc, Electrical and Computer Engineering, University of Toronto, 2012

B.Sc.E, Engineering Physics, Queen's University at Kingston, 2011