

# 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 routing and guidance features, in collaboration with Maps, Telemetry, and SDK teams, including Alternative Routes, Junction Views, Large Predictive Matrix, enabling new use cases for Mapbox Navigation products.
- Introduced tooling which ensured service quality during 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.
- Represented Navigation API team in weekly Mapbox Operational Metrics Review, responsible for measuring and tracking service availability and infrastructure costs, responding to outages and incidents, and presenting postmortems.

**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 100,000 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

*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* 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 company sponsorship, advertising posters and website.

## **EDUCATION**

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

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