

# Danny Page

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## Summary

Senior Software Developer and Data Engineer specializing in creating web applications to serve clients and data warehouses to support internal decision makers. I take pride in mentoring younger developers and collaborating with teammates to solve problems.

## Skills

**Programming:** Python/Django, Ruby on Rails, Go, Javascript, SQL  
**Databases:** PostgreSQL, MongoDB, MySQL, Oracle, SQLite  
**Machine Learning:** AWS Sagemaker, Tensorflow  
**Other Technologies:** ETL, Git/Github, Apache/Nginx, Jenkins, Chef, Airflow

## Recent Work Experience

### **NerdWallet**

*Tech Lead, Machine Learning Engineer*  
*Senior Software Engineer*

**March 2019 – July 2022**

March 2022 - July 2022

March 2019 - March 2022

- Implementing features on the **Python, Flask, and PostgreSQL** stack
- Developing APIs to support Mobile and Web applications
- Using Go, Dynamo, Airflow, and AWS Sagemaker to drive our Machine Learning data pipelines
- Using Dynamo and APIs to deliver batch-insights and Sagemaker Endpoints for Real Time Insights
- Leading recruiting outreach for the NerdWallet Engineering social media accounts and blog

### **Upcounsel**

*Full-Stack and Data Engineer*

**March 2018 – January 2019**

San Francisco, CA

- Implementing features on the **Ruby on Rails, MongoDB, and Backbone JS** stack
- Improving database efficiency on MongoDB and PostgreSQL for ETL and data warehouse retrieval
- Creating and maintaining ETL and data processing scripts in Python
- Mentoring new employees on Git processes and Python
- Writing Automated tests for quality control with RSpec
- A/B Testing with Google Optimize and Ruby to increase user engagement and revenue
- Interviewing new candidates

### **Capterra (Gartner Digital Markets)**

*Full Stack Software Engineer*

**April 2016 – March 2018**

Arlington, VA

- Implementing features on the **Ruby on Rails, Oracle, and JQuery** stack
- Designing reporting suite within internal RoR app, writing SQL queries to support those reports
- Writing Automated tests for quality control with RSpec
- Managing Wordpress Blog with PHP and Rails API endpoints
- A/B Testing with Optimizely to increase user engagement and revenue

### **SocialCode**

*Back End Software Engineer*

**April 2014 – February 2016**

Washington, DC

- Coded features on the **Python and Django** data platform with RedShift to build internal applications
- Implemented connections to Facebook and Twitter Advertising APIs, kept up with breaking changes
- Developed internal APIs, including creating the schema, code testing, and user feedback
- Wrote automated tests for quality control and Celery tasks for automated crawling

## **Translōc**

*Back-end Developer / Data Analyst*

**January 2013 – March 2014**

Raleigh, NC

- Created vehicle management features in **Python and Django**
- Structured data collection and storage in MySQL and created Transit dashboards
- Developed internal metrics to help customers identify actionable improvements for their agency
- Scaled MySQL and MongoDB databases as the company grew in scale

## **Education**

### **Western Governors University**

*M.S. Data Analytics*

**Fall 2019 – Fall 2020**

Remote

### **High Point University**

*B.S. Computer Science / B.S. Mathematics*

**Fall 2005 – Spring 2009**

High Point, NC

## **Other Work Experience**

### **Washington Spirit**

*Statistics and Technical Advisor*

**January – September 2015**

Germantown, MD

- Collect passing and possession statistics for every game
- Creating visualizations and apps that support the coach and club's internal media in their objectives.
- Advise on technical issues that support the club's analysis and customer outreach

### **Data Meaning**

*Analytics Contractor*

**October – December 2012**

Washington, D.C. / Remote

- Consulted with clients to create **MicroStrategy** dashboards to track profits and shipping rates
- Created metrics to be measured for Monthly, Quarterly, and Yearly reports to monitor progress
- Determined correlations and forecasts using hotel customer ratings to determine future revenue

### **MDeverywhere, Inc.**

*Ruby On Rails Contractor*

**April – October 2012**

Durham, NC

- Developed API in **Ruby on Rails** flagship application to interface with medical practices and hospitals
- Created reporting to measure insurance claim successes and determine ways to minimize rejections
- Implemented RSpec automated code testing protocols to minimize production server downtime

### **Knackeo**

*Co-Founder & CEO*

**June 2011 – April 2012**

Raleigh, NC / Remote

- Established database schema in **PostgreSQL** and developed **Ruby on Rails** application
- Continually worked with teachers and students to iterate on the design of the product
- Integrated Analytics and A/B testing to best determine conversions and adoption
- Managed team members' roles and duties to accomplish goals, oversaw front-end development

### **MicroStrategy**

*Education Consultant*

**October 2010 – June 2011**

50% Travel / 50% Remote

- Shaped **MicroStrategy** training for various verticals including: Entertainment, Banking, Retail
- Worked with customers to determine the best metrics for success in their company
- Wrote training manuals and delivered presentations in-person and online

### **AOL**

*Junior Software Engineer*

**May 2010 – September 2010**

Sterling, VA

- Developed features for the AOL Desktop Browser in C++ and worked with QA to troubleshoot bugs
- Researched future features for further AOL Browser innovations

**MicroStrategy***Technical Support Engineer***July 2009 – May 2010**

McLean, VA

- Earned MicroStrategy Certified Engineer certification to architect customized reporting solutions
- Assisted customers in identifying solutions to create ideal reports and dashboards
- Documented errors for developers to accurately fix problems and enhance customer experiences