NATHAN M. PARK

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PROGRAMMING SKILLS

Skills are listed in order of proficiency; I am open to using languages and tools not listed below.

Frontend   JavaScript · HTML5 · CSS3 · jQuery · Bootstrap · SASS/SCSS · Haml · Chart.js · Highcharts.js · D3.js
Backend   Ruby · Node.js · RESTful routes · Shell/Bash Scripting · Parse · Python
Databases   MongoDB · PostgreSQL · ActiveRecord · Oracle · SQL Server · SQLite3 · MySQL · Access
Frameworks   Rails · Sinatra · Express · Preact · React
Testing   RSpec · Rails · Test Unit · Capybara (Selenium) · Jasmine

PROJECTS

Reverse Phone Bank – Back End Developer   Current
- A way for citizens to easily contact their representatives and voice concerns for different social issues
- Currently under construction using Rails API, Preact, and Google Civic API

CalorieCalculator – Full Stack Developer   Jan 2016
- A single page web application that estimates calories burned based on distance, pace, and hiker's weight.
- Used Ruby on Rails, PostgreSQL, jQuery, HTML5, CSS3, BootStrap, and AllTrails API

Legislative – Team Lead, Back End Developer   Dec 2015
- A web application that visualizes upcoming bills in congress using the sunlight foundation API
- Used MongoDB, Express, Node.js, Highcharts, and deployed to Heroku

JokesHit – Full Stack Developer   Dec 2015
- A web application that sends jokes to your friends via text message
- Used Sinatra, Bootstrap, RESTful routes, Twilio API, and deployed to Heroku using a custom domain

PROFESSIONAL EXPERIENCE

mLab – MongoDB DBA/Developer Advocate   Feb 2016 – Current

mLab is a Database-as-a-Service for MongoDB, hosting 400,000+ databases on AWS, Azure, and Google Cloud

- MongoDB database performance expert for both MMAPv1 and Wired Tiger storage engines
- Perform complex query restructuring and log analysis for customers
- Develop a Parse migration guide on how to migrate data to mLab and set up open-source Parse Server
- Publish documentation and blog posts on index management, database operators and best practices
- Attend and speak about our platform at relevant tech conferences & meetups

Ventera Corporation – Data Engineer   July 2013 – July 2015

Ventera is an IT/management consulting firm servicing both government and commercial clients

- PL/SQL and Business Intelligence reports developer at Department of Homeland Security
- Application DBA, ETL, and Business Intelligence reports developer at Defense Logistics Agency
- Designed data migration for tables with over 1M records in production
- T-SQL and Business Intelligence reports developer at Department of Agriculture
- Applied statistics and regression models to project future product order life cycles at AT&T

EDUCATION

University of Virginia – B.S. Systems and Information Engineering   Class of 2013
- THESIS – Database Integration in the Albermarle-Charlottesville Regional Jail