NATHAN M. PARK
Full Stack Engineer

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PROGRAMMING SKILLS

Languages: Ruby, JavaScript, Python, HTML5, CSS3, Shell, Bash
Databases: MongoDB, PostgreSQL, Oracle, SQL Server, SQLite3, MySQL, Access
Frameworks/Libraries: Rails, Express.js, Node.js, jQuery, React.js, D3.js, Chart.js, Highcharts.js
Testing: RSpec, Rails Test Unit, Capybara, Jasmine

PROJECTS & HACKATHONS

Legislative – Team Lead, Back End Developer   Dec 2015
- Legislative, a web application that visualizes upcoming bills hitting the congressional House and Senate floor using MongoDB, Express.js, Highcharts.js, and deployed to Heroku.
- Designed backend using RESTful routes and integrated multiple API calls to create data structures.

General Services Agency Digital Innovation Hackathon – 1st Place Team   May 2015
- Identified drivers for tenant satisfaction and predictors for operating cost for GSA buildings
- Created mobile Android app, heat map, and visualized regression analysis showing cost of each building

HACK UVA – Mentor   March 2015
- Presented the Lean Startup methodology at The University of Virginia 2nd annual hackathon
- Mentored students on pitching their final product to the judges

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EDUCATION

Dev Bootcamp – Full Stack Web Development   August 2015 - December 2015
- 19-week full-time training program specializing in Ruby, Rails, HTML5, CSS3, Test Driven Development, Object Oriented JavaScript (AJAX, jQuery), Git, Source Control, Heroku, and Agile Development.

University of Virginia – B.S. Systems and Information Engineering   Class of 2013
- THESIS – Data Integration in the Albermarle-Charlottesville Regional Jail: A Systems Engineering Approach to Support Evidence-Based Decisions

PROFESSIONAL EXPERIENCE

Ventera Corporation   July 2013 – July 2015
Data Developer
- Ventera is an IT/management consulting firm, servicing both government and commercial clients. Below are the various clients and corresponding applications that I have worked on.

Department of Homeland Security - Student and Exchange Visitor Program
- PL/SQL and Tableau reports developer
- Designed five student demographics dashboards showing country of origin, and supporting database views

Defense Logistics Agency - Case Adjudication Tracking System
- Application DBA, ETL, and Pentaho reports developer
- Designed data migration for tables with over 1M records in production
- Created 20 adjudication reports, four executive dashboards, and supporting database views

US Department of Agriculture - Food and Nutrition Services
- Designed and developed database objects (triggers, procedures, functions, packages)
- Created 10 new SSRS reports and enhance existing reports

AT&T - Product Life Cycle Management
- Evaluated statistical significance of legacy system migration to Oracle supported database
- Applied statistics and regression models to project future product order life cycles.