

Matt Rodriguez

Email: mattrodriguez41@gmail.com

Github: mateo41

Website: www.mkrodriguez.com

Objective

I would like to build products that perform analytics and regression analysis on large data sets. The insights gained from this analysis and models should be monetized. I am interested in building distributed systems and web applications in a robust and scalable way. I would like to solve interesting data science and software engineering problems that have a good market fit.

Professional Experience

Senior Software Engineer Neustar 2011-Present

Developed web applications and distributed system for Monitoring and Load Testing Products
Experience with MySQL replication and writing stored procedures and tuning query performance
Experience using MongoDB as a backend store for REST APIs
Developed REST APIs in Java using Jersey/Jetty/Guice and Python(django and Flask)
Developed distributed systems using message queues(RabbitMQ) and microservice architecture
Developed a single page application using the SpineJS framework and coffeescript

Programmer Analyst 2007-2011

Data Warehousing ETL on hydrologic datasets.
Python Development using Twisted application framework
Data modeling for Cassandra, NoSQL database
Experience using EC2, creating and deploying AMIs, experience using VMWare

LBNL Computer Systems Engineer 2002-2007

Database Administrator for Berkeley Water Center a joint LBL and MSR project
Data Warehousing ETL on hydrologic and carbon flux data sets.
Software Developer/Devops engineer for Grid Computing project 2002-2005
Developed a Python API using SWIG for bindings to a C grid computing library(globus Toolkit).

Technical Skills

Programming Languages: 5+ years Java, Python, Javascript, C
Statistical, Visualization Languages: Matlab, R 2+ years
UNIX System Administrations: 8+ years configuring Linux, Solaris, and FreeBSD systems

Education

UC San Diego Masters CS 2007-2010, emphasis in Machine Learning
UC Berkeley Bachelors of Science EECS 1997-2001

References

Patrick Lightbody VP Product Management New Relic
Ilya Zaslavsky supervisor at SDSC <http://www.sdsc.edu/~zaslavsk/>
Professor Charles Elkan Masters Thesis advisor <http://www-cse.ucsd.edu/~elkan/>
Deb Agarwal former supervisor at LBNL <http://acs.lbl.gov/~deba/>

