Rahul Nath

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EDUCATION

Georgia Tech
M.S. IN COMPUTER SCIENCE
Candidate, Part-Time | OMSCS
Specialization in Machine Learning

Williams College
B.S. IN COMPUTER SCIENCE
B.A. IN ECONOMICS
June 2015 | Williamstown, MA
Dean's List, Class of 1960 Economics Scholar

GCHS, Valedictorian
June 2011 | Glen Cove, New York

Relevant Coursework
Machine Learning for Trading
Data Visualization and Analysis Data
Structures & Algorithms (Also T.A.'d)
Human Computer Interaction
Information Security

SKILLS

Programming

Primary Languages (1000+ lines):
Javascript • Python • SQL

Familiarity with:
C • x86 Assembly • Java

Front-End:
ReactJS • Redux • React-Router
MaterialUI • ES6 • yarn • npm
BeautifulSoup • Jinja2 • Bootstrap

Back-End:
NodeJS • SequelizeJS • Koa
Flask • SQLAlchemy • GAE
PassportJS • PostgreSQL • Nginx

Dev-Ops:
Docker • Kubernetes • Apache
Wercker • Quay • Vagrant
AWS EC2, S3, Redshift

Other Skills
Git/SVN • Unix/Linux

Spoken Languages

Spanish (Intermediate Proficiency)
French (Beginner Proficiency)
Bengali (Intermediate Proficiency)

EXPERIENCE

WorkRails Inc. | SOFTWARE ENGINEER
July 2017 – Present | New York, NY
- Lead Backend Engineer for a venture-backed enterprise startup with clients.
- I work within the React/Redux frontend and NodeJS backend. I design and implement UX features, APIs, data models, & DevOps.
- Developed partner custom login and SSO, calendar, work routing, and Developer API features, bringing in over $20k in MRR.
- Decreased our production deployment time by 30% by parallelizing pipelines of independent deployed clusters.

Udacity | COURSE MANAGER/SOFTWARE DEV
Aug 2015 – July 2016 | Mountain View, CA
- Re-invented Intro to Programming Nanodegree (IPND) into exploratory program to other courses, increasing its enrollment by over 20%.
- Automated student YouTube data collection for all Nanodegree webcasts. I wrote a Python cron job that pulled, formatted and stored the data using AWS Redshift. Data then pipelined into Chartio for company-wide accessibility.

Naval Research Laboratory | CONTRACTOR
July 2014 – Sept 2014 | National Harbor, MD
- Implemented a tool in Python that generates action models in polynomial time – previously an intractable problem – expanding the planning domain of environments for an A.I. agent to acquire knowledge.
- Designed and implemented an algorithm in Lisp and Python to resolve prepositional and word-sense ambiguity in interpreted speech using collected contextual information.

Mobiquity | ANDROID DEVELOPER INTERN
May 2014 – July 2014 | Wellesley, MA
- Helped implement health data collection for Mobiquity's deltaIQ Android application. Used Amazon Kinesis EC2 and Android (Java).
- Designed and implemented a prototype of an indoor navigation application using Node.js, iBeacons, Google Glass, and AWS (EC2, S3, Kinesis, and Cognito).

PROJECTS

CKAN: Open-Source DMS
- I contribute to CKAN, the data hub that powers open data for governments.

Rentbot
- Helped create a chatbot designed to help San Francisco residents learn their rights as tenants. Utilized Flask, Google App Engine, and Pandorabots API.

PrePost2
- Using selenium, multiprocessing pools, and BeautifulSoup, I created a webscraper to collect documents and increase the accuracy of environment domain models by 25%. These domain models are used by A.I. agents to plan its actions.

Medicost (MIT Hack Medicine Team, 24-hr hackathon)
- Created a website to search for specialist doctors and procedure costs using public insurance claims data from the Department of HHS.