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
Human Computer Interaction
Intro To Information Security
Machine Learning for Trading
Data Structures & Algorithms (Also T.A.'d)
Operating Systems

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.
- Working on everything from our React/Redux frontend to NodeJS backend, I design and implement UX features, API endpoints, data models, & DevOps.
- In just five months, I've developed SSO for our clients, custom login, calendar scheduling, smart-job routing, and the WorkRails Developer API, single-handedly producing over $20k in monthly recurring revenue.
- Decreased our production deployment time by 30% through parallelizing deploys of independent server 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% – the fastest growing nanodegree at Udacity.
- Automated student YouTube data collection for Udacity webcasts. I wrote a Python cron job that collected over 8 million data points, formatted and stored the data on Udacity's AWS RedShift server, and pipelined it into Chartio.

Naval Research Laboratory | Contractor
July 2014 – Sept 2014 | National Harbor, MD

- Implemented a tool in Python to learn actions in polynomial time – a previously intractable problem – making it feasible to automate the process of environment knowledge acquisition for an A.I. agent.
- Designed and implemented an algorithm in Lisp and Python to reduce prepositional and word-sense ambiguity in interpreted speech using contextual information.

Mobiquity | Android Developer Intern
May 2014 – July 2014 | Wellesley, MA

- Implemented communication and data collection between an EC2 server and an Android application for Mobiquity's deltaIQ platform.
- Created the UX, UI, and business logic for 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 renters. Utilized Flask, Google App Engine, and Pandorabots API.

PrePost2
- Using selenium, multiprocessing pools, and BeautifulSoup, I created a webscraper to collect documents and suggest 25% more accurate environment domain models to be used by an artificially intelligent agent planning its actions.

Medicost (MIT Hack Medicine Team, 24-hr hackathon)
- Created a website to easily search cost requests and receipts made by doctors to standardize costs of expensive medical procedures in the U.S.