Gen D. Ohta

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Available to start a full-time opportunity during the summer of 2017

Technical Skills

Languages: Python, Ruby, HTML, CSS, JavaScript, MATLAB, Java, Puppet, C++
Databases: SQL, PostgreSQL, Spark, Elasticsearch, Redis
Frameworks: Rails, Sensu, AWS, Jenkins, TravisCI
Operating Systems: RHEL, Mac OSX, Ubuntu, Windows
Collaboration Tools: Git, Trello, Asana, Jira, Hipchat, Confluence

Projects

EyeoT
- Collaborated on an IoT solution for people with neurogenerative diseases to turn on lights with their eyes
- Utilized machine learning to identify the lightswitch faceplate a user wants to control
- Integrated the Pupil Eye Tracker, BLE and two Arduino Unos into a Python application
- Presented the solution at the Senior Capstone Design competition

AWS Exodus Dashboard
- Built a dashboard that showed progress made toward moving 7+ petabytes from AWS to a private cloud
- Optimized queries that extracted information over 6+ million records
- Utilized the C3.js JavaScript visualization library into the Ruby on Rails app with PostgreSQL database
- Improved page load time from 36 seconds to 4 seconds

Professional Experience

Software Developer
Massachusetts Open Cloud - info.massopencloud.org
January 2016 - June 2016 | Boston, MA
- Developed backup and restore infrastructure for databases containing logs and cloud metrics
- Built log aggregation infrastructure for the operations team to search the logs on 18 hypervisors
- Created email alerting infrastructure to enable engineers to proactively troubleshoot issues
- Trained new team members on the monitoring infrastructure

Software Engineering Intern
Datto, Inc. - www.datto.com
May 2015 - August 2015 | Boston, MA
- Developed a new notification for when users were not backed up. 30,000+ notifications were generated
- Created a pipeline to track the elimination of AWS costs
- Migrated persistent data from a Redis database to optimize application performance
- Assisted with recruiting associate software engineers, resulting in a hire

System Redesign Co-op
Veteran Affairs Boston Healthcare System - www.boston.va.gov
January 2014 - June 2014 | Boston, MA
- Implemented several databases for medical services, saving approximately 500 work hours
- Created an form for a pledge to increase civility in the workplace, raising awareness by 1000%
- Wrote SQL queries for baseline data to assist clinical professionals' process improvement projects
- Facilitated a training for clinical professionals to educate them on using process improvement tools

Education

Northeastern University
September 2012 - Expected graduation in May 2017 | Boston, MA
Bachelors of Science in Computer Engineering
Honors: The Dean's Scholarship

Background

- Took a gap year from November 2011 to August 2012 to attend a professional circus school
- Performed fire-breathing on Ko Pha Ngan, an island in the Gulf of Thailand