Rohan Ramakrishnan

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Education

Purdue University, West Lafayette, IN   May 2018
Bachelor of Science in Computer Science

Computer Skills:

Languages: Java, Bash, C, C++, HTML
Tools: Git, Docker, Jenkins, Vagrant

Work Experience:

Software Engineering Intern – Healthagen division of Aetna

- Coded Bash scripts to run NMAP scans on various company websites and parsed command line output to return pings, security grades, and warnings of vulnerabilities to attacks.
- Wrote Docker commands to run a Jenkins continuous integration server, a MYSQL database, and Drupal content management systems in order to run various Healthagen webapps.
- Automated building from Bitbucket repositories in Jenkins in order to increase speed of hosting websites.
- Worked as part of a team to develop a solution for increasing employee engagement and presented it to judges as well as other managers for our Capstone project. My team won first place in our category. The ideas may be consulted in upcoming programs

Projects:

Alert 911

- Extracted data from Seattle's online real time 9-1-1 data and texted people's phones in the same zip code when crimes were committed
- Provided quality assurance testing on the application, preventing crashes in the program and making sure there were no lags in the server's extraction of data or dispersion of texts
- Debugged the web application, error handling when necessary, preventing certain threads from running infinitely and making sure no loss of data occurred during run time

Pacman

- Created a replica of Pacman using Java, Swing

Busy Beaver

- Optimized Java code and corrected functionality for a demonstration of the Busy Beaver game which illustrates how Turing Machines work

Simple Equations

- Worked on back end development for calculating simple geometric equations given a few user input parameters on the Android OS, made available on play store.
- Debugged and error handled within the application to ensure no crashes or run time errors would occur during execution