JoshuaKu

Sofware Engineer

Address

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Git
github.com/joshku

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Languages

- C/C++ ★★★★★
- C# ★★★★☆
- Python ★★★★☆
- Bash ★★★★☆
- Java ★★★★☆
- Objective C ★★★☆☆

- English ★★★★★
- Cantonese ★★★★☆
- Mandarin ★★★☆☆

Operating Systems

- GNU/Linux ★★★★☆
- MacOS ★★★★☆
- Windows ★★★★☆
- iOS ★★★☆☆
- Android ★★★☆☆

Framework & Skills

Artifactory, Docker, Jenkins, UrbanCode Deploy, Elasticsearch, Kibana, GitHub, TravisCI, Kubernetes, Vyatta vRouter, Citrix Netscaler, NGINX, Ansible, ScaleIO, MS Visual Studio, Agile, DevOps, SRE, IBM SoftLayer, IBM Bluemix, Google Cloud Platform

Education

2010 - 2015   **The Pennsylvania State University**   **State College, PA**
BS in Computer Science
BS in Information Sciences and Technology
GPA 3.38
Dean's List: Spring 2011, Spring 2014

Experience

08/17 - Present   **IBM**   **Durham, NC**
Software Engineer
A member of the Whitewater SRE team. Our goal is to bring world class developer tools to IBM developers such as GitHub Enterprise and TravisCI Enterprise. My responsibilities include:
- Collaborating with GitHub and TravisCI support teams to investigate software issues
- Hosting and maintaining a highly available resilient environment for GitHub Enterprise and TravisCI
- Develop automation to manage the infrastructure
- Utilizing technlologies such as LinuxKit to create immutable base images
- Speaking at internal developer CodeRetreats within IBM

09/15 - 07/17   **IBM**   **Durham, NC**
Software Engineer
A member of the DevOps Transformation Team. Our goal was to help developers adopt the DevOps culture by hosting a centralized offering of DevOps tools for developers to use. My responsibilities included:
- Supporting applications such as Jenkins, Artifactory and UrbanCode as cloud services
- Designing and implementing a highly available network architecture to support cloud based tooling
- Develop automation to maintain network configurations
- Organizing developer workshops to teach programmers how to develop code with the DevOps mentality

05/14 - 08/14   **General Motors Company**   **Lake Orion, MI**
Orion Assembly IT Intern – Mobile Applications / SharePoint Developer
As an intern, I worked with plant managers on projects that helped improve processes within the manufacturing plant. I worked on two main projects which were to develop an android application as well as redesigning the internal SharePoint site. These projects included the following tasks:
- Collaborating with plant management to develop a proof of concept Android application written in Java to help audit data more efficiently
- Connecting the application to a MySQL database to create views for management to view tool data and forecast trends
- Collaborating with various teams across the plant to identify current document control processes and how they can be improved
- Designing a more user friendly internal SharePoint site for all plant personnel to use