Jarrad Battaglia

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EDUCATION

Bachelor of Science, Computer Science
Drexel University, Philadelphia, PA, June 2014

EXPERIENCE

Software Engineer   July 2014 to Present
Amazon.com, Amazon Web Services, Elastic File System
Cambridge, MA

- Created Java metering component for the EFS service which tracked customer file system usage and was used for billing purposes.
- Designed and implemented a large workload system that could create hundreds of AWS instances to simulate customer-like traffic on dev, gamma, and production instances of the EFS service, which could scale to the needs of the operator.
- Designed and implemented canaries for EFS service that measured different components of customer traffic.
- Worked on the EFS deployments team and contributed to adding new functionality to pre-existing deployment library and added concurrent code which decreased time of deployment by two-thirds.
- Integrated new internal SSL certificate API into deployment scripts which needed to verify and update EFS server certificates with AWS IAM.
- Created deployment scripts for metering EMR code, which deployed from developer desktop or internal CI service into AWS Data Pipeline and S3

Software Engineer Intern   September 2012 to March 2013
Amazon.com, Fulfillment By Amazon, Inventory and Reimbursements
Seattle, WA

- Using AWS Cloudsearch, migrated an internal business site from a SQL database and updated internal website to use new model and service.
- Worked on Reimbursements project which was designed to stop mis-assignments of FBA inventory from being sent to other departments of company
- Created Hadoop EMR job, which measured how many lost items had been mis-assigned in the past 2 years
- Created Integration tests for Reimbursements project

Software Engineer Intern   September 2011 to March 2012
Unisys, Cloud Computing
Malvern, PA

- Using Winforms and C Sharp, designed and implemented a custom XML editing tool that allowed for faster data entry for Cloud Computing team.
- Created Perl scripts to add functionality to request tracker ticketing system
- Edited Apache Project Info Reports plugin source code to use IText PDF API to allow plugin to output PDF files

**LANGUAGES
AND TOOLS**

Proficient Programming Languages: Java, Python, Bash
Other Programming Languages: Javascript, C++, Scala
Operating Systems: Ubuntu, Redhat (RHEL 5), Windows
Tools & Frameworks: AWS Technologies (EC2, IAM, S3, EFS, DynamoDB, EMR), Boto, AWS CLI, AWS SDK (Java), Spring, Akka, Hadoop, Git, Maven, MySQL