Jack Z. Bruno

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Summary

A detail oriented software engineer with 10+ years experience combining development and operations experience to deliver reliable, scalable, and maintainable solutions. Always looking for opportunities to work on projects with high impact and high visibility. An enthusiasm for all things technology ensures a deep and current understanding of industry standards.

Experience

Lead Applications Developer at *Charter Communications*   Mar. 2019 – Present

Sr. Software Engineer at *Charter Communications*   Jan. 2018 – Mar. 2019

Served as project lead and managed a team of engineers tasked with identifying AWS dependencies for existing applications. Automated and deployed a subset of those applications into Azure providing a better understanding of work required to create a more cloud agnostic posture.

Skills: *AWS, Azure, Helm, Kubernetes, Docker, Terraform, Bash*

Mentor at *Charter Communications*   Apr. 2018 – Aug. 2018

Mentored a college summer intern on end to end software and platform engineering including Agile processes, development, and deployment.

Sr. Software Engineer at *Charter Communications*   Apr. 2017 – Jan. 2018

Helped design and develop tools to support disaster recovery for existing AWS infrastructure and microservice applications. Automated import of AWS infrastructure into Terraform. Developed Go based CLI tools to backup and sync infrastructure and data between active and passive AWS accounts. Performed team lead responsibilities late in the project.

Skills: *AWS, Go, Terraform, Bash*

Sr. Software Developer at *ProKarma*   Dec. 2015 – Apr. 2017

Designed and developed a release automation platform including a REST API and web UI to replace an existing manual microservice deploy process. Parallelized release of large groups of microservices and configuration as a single release manifest that could be tracked and easily handle rollbacks.

Skills: *AWS, Python, Celery, MongoDB, Netflix OSS, Asgard, Nexus, Jenkins, Crowd*

Sr. Systems Developer at *Pearson*   Dec. 2012 – Dec. 2015

Designed and developed a cloud agnostic IaaS for self service deployment of AWS and VMWare resources by development teams. The platform supported 70+ teams and 5000+ virtual instances across pre-production and production environments. Configuration of compute resources was controlled by Puppet allowing our team to reliably patch the Heartbleed vulnerability on 5000+ instances in a couple of days instead of weeks or months.

Skills: *AWS, Python, Celery, MongoDB, AngularJS 1.x, Twitter Bootstrap 2.x, Puppet, VMWare vCD*

Sr. Systems Integration Engineer at *Pearson*   Jul. 2012 – Dec. 2012

Developed and supported tools for monitoring 80+ applications including a highly trafficked and highly available Learning Management System for online learning. Created a framework for using Selenium test cases as synthetic user monitors.

Skills: *AngularJS 1.x, Selenium, Java, RightScale, AWS*

Systems Integration Engineer II at *eCollege*   Sep. 2010 – Jul. 2012

Designed and developed tools for monitoring a highly trafficked and highly available Learning Management System for online learning. Gave visibility into 60+ clustered services on 100+ servers helping reduce incidents due to service availability and capacity.

Skills: *IIS, ASP.NET MVC, C#, MS SQL Server, Javascript, HTML, CSS, Syslog, MySQL*

Systems Integration Engineer at *eCollege*   Apr. 2008 – Sep. 2010

Implemented and maintained application monitoring providing visibility into failing services and allowing quick resolution of issues.

Expert Consultant at *Security with Advanced Technology*   May 2007 – Nov. 2007

Consulted on a project involving projectile physics. Worked with ballistics, designed and built apparatus to collect data, worked with video and still cameras, and performed video editing. Completed analysis on collected data.

Certifications

AWS Certified Solutions Architect - Associate   Nov. 2007 – Present

Education

B.S. Physics at *University of Colorado Denver*   2005 – 2007

Computer Science Major at *University of Colorado Boulder*   2001 – 2004