

Ryan W. Grothouse

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EDUCATION

University of Dayton – Dayton, OH
Bachelor of Computer Science, GPA: 3.63/4.0

May 2010

ACHIEVEMENTS

- Graduate of the GE Information Technology Leadership Program (ITLP)
- Certifications:
 - VMware Certified Professional 5 (VCP5 - 127546)
 - Oracle Certified Associate
 - RedHat Certified System Administrator 6
 - ITILv3

TECHNICAL SKILLS

- Cloud: VMware vCloud Automation Center, Cloud Computing Technologies
- Configuration Management: Puppet and Chef
- Virtualization: vSphere 5, ESXi 5.1
- Languages: PHP, Ruby, C#/.Net, Perl, JavaScript, jQuery, HTML, BASH
- Version Control Systems: Git, SVN
- Continuous Integration: Jenkins, Github
- Operating Systems: Linux System Administration, Windows, OSX
- Web Technologies: Apache, Tomcat, familiarity with F5 and load balancing technologies
- Database: MySQL, Oracle
- Middleware: REST, SOAP, RabbitMQ

EXPERIENCE

General Electric, Appliance and Lighting – Louisville, KY

February 2012 - Present

Technologist – Cloud and Application Services

- Pioneered the GE A&L private cloud initiative to deliver IaaS and PaaS built on VMware vCloud Automation Center (VCAC), vSphere 5, Puppet and Ruby web services
- Prototyped multiple private cloud offerings including VCAC, vCloud Director, Open Stack and selected VCAC as the strategic platform
- Architected and Developed a service oriented IaaS solution driving server builds from 3 weeks to 15 minutes, from manual to fully automated and 100% consistent
- Developed C# orchestration code and multiple Ruby REST web services to allow cloud server builds to self integrate with external systems (Backups, Monitoring, CMDB, IPAM, Active Directory)
- Developed a multitude of Puppet modules, custom facts and functions to drive to automated server management
- The technical design and development that I provided will act as the foundation for GE's next gen software defined data center

General Electric, Appliance and Lighting – Louisville, KY

August 2011 – February 2012

ITLP – Consumer Home Services rotation

- Responsible Analyst for one of GE's major ecommerce website – www.geapplianceparts.com
- Lead project of major site redesign for geapplianceparts.com, delivering features aimed at driving sales. Post redesign set record one day sales, increasing 49% over previous record
- Provided technical requirements for deploying smart phones to over 1000 service technicians
- Intern/Co-op coordinator – Supervised 20+ Interns for the GE IT intern program

General Electric, Appliance and Lighting – Louisville, KY

February 2011 – August 2011

ITLP – TAS DBA rotation

- Member of Database infrastructure team supporting over 100 Oracle databases. Provided on-call and day to day operational support
- Provide support for database setup, data refresh, ETL, job creation, query optimization

General Electric, Appliance and Lighting – Louisville, KY

June 2010 – February 2011

ITLP – TAS Compute (Unix) rotation

- Member of Unix infrastructure team supporting over 2000 Unix/Linux servers. Provided on-call and day to day operational support
- Developed Perl script and process to convert physical Linux servers to run on virtual infrastructure (p2v conversion). This process aided in the ability to be 100% virtualized
- Developed Perl script that automates the archiving of performance data from Clariion Storage Array