Derrick R. Boudwin

Consulting Site Reliability Engineer

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Think like an engineer, speak intelligibly.

Education

2009	**Associates of Science- Mechanical Engineering**, *Brigham Young University- Idaho*, Rexburg, ID, *USA*.

Special Experience

Worked with the Department of Energy (DOE), the Nuclear Regulatory Commission (NRC), the French Nuclear Safety Authority, and have held various security clearances for forementioned entities for work in information security. Also oversaw data coverage for steam generator inspections at Three Mile Island Nuclear Station, Unit 1.

Experience

Nov. 2016- Present — **Consulting Sr. Site Reliability Engineer/Architect**, *Self Employed*, Heber City, UT, USA.
Hired gun for one-off projects, CI/CD setup, application containerization, scaling advisement, ad hoc firefighting.
- Assist many large and small startups in various aspects of DevOps, System Administration, Security, PCI Compliance, Troubleshooting, and Automation.

May 2016- Nov. 2016 — **Senior Site Reliability Engineer**, *GetBinocs.com*, Boulder, CO, USA.
Designed and maintained backend infrastructure, pipelines, storage, testing, and other automation primarily on AWS.
- Built scalable pipeline processor for large quantities of searchable encrypted data.
- Prepared for containerization.

May 2015- Apr. 2016 — **Senior Site Reliability Engineer**, *Kuali.co*, Lehi, UT, USA.
Maintained all aspects of custom PAAS for several distributed development teams.
- Overhauled legacy application platform to prepare for containers.
- Advised, tested, and documented application adherance/response to FERPA requirements.

Nov. 2013- May 2015 — **Senior DevOps Engineer**, *Mocavo.com*, Provo, UT, USA.
Designed and maintained backend infrastructure and automation.
- Managed the reliabilty, scalability, and performance of a website with 1000 physical servers, 8 million hits per day, and a petabyte of data.
- Designed fully-automated deployments.

Apr. 2012- Nov. 2013 — **Systems Administrator**, *Supplemental Health Care*, Park City, UT, USA.
Regulated >35 remote sites, hybrid Windows/Linux collocated server farms, and services for 500 users.
- Cut server licensing budget by 70% by implementing open source technologies.
- Scripted various processes saving over 8,000 man-hours yearly.

Feb. 2010- Apr. 2012 — **Systems Administrator**, *Thatcher Company*, Salt Lake City,UT, USA.
Administered infrastructure for a large chemical manufacturing and distribution center. Provided business intelligence analysis for various applications and processes.
- Implemented Incident Management process and application;
- Performed site conversion from analog/digital PBX telephony to VoIP:
- Upgraded site network to layer 3.

Feb. 2009- Dec. 2009 — **Information Technology Technician**, *BYU-Idaho*, Rexburg, ID, USA.
Hardware and software administration of school lab and student computers.
- Decreased warranty service time by 50%.
- Gathered requirements, tested, and deployed system images.

| Apr. 2006- | **Computer and Network Security Officer**, *Areva-Nuclear Power*, Lynchburg, VA, USA. |
| Jul. 2006 | Computer and network security for over 5000 workstations in North America. |

- Assisted in standardizing IS policies and procedures across the United States, France, Canada, and Germany.
- Member of IS Change Management board.

Skills

Certifications	ITIL Foundations, HEAT Administrator, Change Management	IS Support	MS Office, Windows, Mac OSX, Apple hardware, PC hardware.
Server	Active Directory, Windows, Linux, VMWare vSphere ESX-ESXi, SQL, Exchange, Citrix, XEN Server, group policy, antivirus, web filtering, email filtering, web (IIS, apache, nginx), deployment, SAN, NAS.	IS Analysis	Incident management, change management, problem management, help desk metrics/ performance, business intelligence, SLA/SOP management, disaster recovery.
Network/ Telephony	LAN, WAN, VLAN, VPN, DHCP, DNS, VoIP, PBX.	Languages	Batch, Python, Bash, Puppet, Ruby, HTML, LATEX, English-Native, Spanish-Fluent.