Chandler William Cord

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Objective:

To attain a senior position that allows the opportunity to utilize and enhance technical, leadership and interpersonal skills while automating everything in sight within an innovative, cohesive, and forward-thinking technology group.

Skills:

- Expert troubleshooting skills in hardware and software
- Vast experience with Amazon Web Services (AWS), EC2, ELB, S3, CloudFormation Route53, RDS, ELK/Logstash
- Programming/Scripting Languages: Perl, PHP, HTML, Ruby, Bash, Python
- Experience with Sip/MGCP Signaling, MySQL, DNS, SNMP and VOIP technologies
- Expert in automation utilizing Salt, Capistrano, Puppet, Chef, Jenkins, Bamboo, Docker, etc
- Experience with Kafka, Hadoop, HDFS, Hive, Zookeeper, HBase
- Ability to work well under pressure, quickly isolating and resolving customer impacting issues

Professional Experience:

Authentic8, Redwood City CA

December 2017-Present

DevOps

- Implemented cluster/region/silo self-aware Icinga2 monitoring backend across bare metal, MSP, AWS, and GCP
- Streamlined instance spin-up across bare metal, MSP, AWS, and GCP vendors via Chef, preseed, AMI's, and Gcloud images
- Instrumental in moving organization towards FedRamp certification, accepted in to In-Progress status by DISA

Move Inc, Santa Clara CA

October 2015-December 2017

Senior Systems Engineer, Cloud Services

- Designed strategies and pipelines to migrate services from bare metal to AWS utilizing CloudFormation, Chef, CodeDeploy, Elastic Container Service, and CloudWatch
- Introduced Docker as a manageable, scalable, and efficient alternative to underutilized and overpriced traditional hardware implementations
- Worked closely with various dev teams on architecture and design for a smooth transition from in house bare metal to Amazon Web Services

Quad Analytix, San Mateo CA

July 2014-October 2015 (Resigned due to funding concerns)

Principal DevOps Engineer

- Refactored and modernized configuration management, implemented cluster automation
- Managed multiple disparate reports, located in US, India, and remote
- Centralized logging and implemented ELK cluster for on demand consumption
- Designed, developed, and implemented an auto-healing proxy cluster that detects and recycles IP blocked instances

Livemagic Inc, Mountain View CA

January 2014-June 2014 (Layoffs due to funding)

Senior DevOps Cloud Engineer

- Designed, developed, and implemented an automation framework on AWS for spinning up on-demand siloed production environments
- Replaced automation framework and installed Chef configuration Management.
- Engineered migration of development and test/staging environments from DC to AWS.
- Used Rsyslog and Logstash to aggregate and detect events and send them to Graphite for logging.

Lyatiss Inc, Mountain View CA
June 2013-January 2014
Senior Cloud Infrastructure Engineer
- Designed and automated on-demand sandbox environment, allowing engineering and operations to quickly spin up and down platforms for development and testing. Lowering time to production for new applications and features by orders of magnitude.
- Pushed out Chef for configuration management and software deployment across all environments. (Dev, QA, On-Demand, Pre-Prod and Production)
- Refactored Nagios to allowing for automated remediation, clustering and inclusion in existing monitoring.

Machine Zone Inc, Palo Alto CA
September 2012-May 2013
Operations Engineer
- Owned migrating from a managed hosting provider to our own hardware. Lead project from initial design through taking production traffic. Saved company 70% over the first 12 months.
- Introduced virtualization and configuration management to improve CapEX, OpEX, redundancy and stability.
- Implemented puppet for centralized configuration management, moving infrastructure buildout from one off, hand rolled to identical and repeatable.

Tangome Inc, Palo Alto CA
May 2011-September 2012
Operations Ninja
- Scaled architecture from ~9MM, to over 100MM users without any customer impact over a 16 month span
- Implemented puppet automation for an infrastructure of over 1000+ hosts split between 3 geographically diverse collocation facilities and six Amazon EC2 regions globally to reduce latency, operational time cost, ensuring consistency throughout.
- Responsible for design, architecture, and implementation of Nagios and Cacti monitoring solutions spanning 8000+ nagios checks and 16,000+ cacti graphs, utilizing custom scripting automation to add and remove hosts, checks, and graphs globally.
- Wrote scripts and puppet modules for automated deployments globally,

8x8 Inc, Santa Clara CA
August 2010-May 2011
Network Operations Engineer II
- Developed, maintained and enhanced tools for use by the Network Operations Center staff
- Working closely with Operations and R&D on data center build-out, capacity planning, application/platform testing
- Responsible for installation, monitoring, management and maintenance of 1250+ nodes between six geographically diverse collocation facilities
- Assisted in capacity planning, performing software upgrades on production servers, development of tools and various automation, data centers build outs and change planning

July 2007 – February 2010
Network Operations Engineer
- Initial Network Operations Center hire, helping to develop from a single engineer, to a fully staffed 24/7 NOC
- Developed policies and procedures for the newly formed Network Operations Center
- Designed and implemented various tools for use by the Network Operations group
- DID ordering (responsible for the ordering process for 7-10,000 phone numbers per month)
- Developed an automated war-dialer used for testing/verifying new numbers entering our system. Written in Perl, with a web GUI. Reduces time spend verifying numbers by over 90%

Education:
- **Mission College, Santa Clara, CA**
  Studied Political Science and Computer Science

Eagle Scout, Boy Scouts of America
Vigil Honor, Order of the Arrow