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# Joel Griffiths

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## *PROFESSIONAL SUMMARY*

Seeking to leverage technical skills and experience to architect, automate, and manage IT solutions. Offer 20+ years' experience with Software Engineering, DevOps, Systems Administration, and Systems Architecture for environments containing thousands of servers and millions of customers.

## *ACCOMPLISHMENTS*

- Designed the circuit boards and wrote the software (C) for the most accurate Solar Module Test Station in the world using Differential Amplifiers, DACs, ADCs, Sample and Holds, and numerous analog and digital technologies (team of two people).
- Implemented the first commercial Web-Based Email system that supported custom domains.
- Created numerous websites from scratch including a P2P Rental Websites and an MP3 sharing websites for small bands.
- Forced discover and disclosure of a data breach in Ameritrade's systems.

## *WORK HISTORY*

### **CERNER | Senior Systems Architect | Kansas City, MO | July 2018 - Current**

- Drove the implementation of Ansible to supplement the existing Chef systems.
- Wrote and modified Python and Ruby scripts to perform administrative tasks.
- Wrote scripts and deployed automated solutions using Rundeck and Jenkins.
- Participated in on-call rotation and resolved problems as necessary.
- Investigated new technologies and suggest architectural improvements.

### **UNITAS GLOBAL | Senior DevOps Engineer | Overland Park, KS | August 2016 - July 2018**

- Primary technical contact for all Linux related projects.
- Deployed and managed private Openstack clusters for several large corporate client.
- Deployed, managed, and maintained approximately 500 servers.
- Implemented automated deployments using Ansible.

### **RED 5 STUDIOS | Senior Systems Engineer | Irvine, CA | January 2014 - January 2016**

- Created and updated Chef Recipes for a large capacity MMO on AWS.
- Implemented automated scaling for microservices using Terraform and Chef.
- Deployed Openstack and deployed new services in Openstack and AWS.
- Wrote scripts/code in Bash, Python, and Ruby for monitoring, auto scaling, and automation.
- Participated in 24x7 on-call rotation and resolved customer impacting problems as necessary.

### **RACKSPACE HOSTING | Linux Engineer II | San Antonio, Texas | August 2011 - January 2014**

- Managed Email for the large customer facing email system.
- Implemented a distributed MySQL architecture to support multiple data centers.
- Suggested software improvements and schema changes.

**JAWA | Senior Linux Engineer | Scottsdale, Arizona | October 2010 - May 2011**

- Configured build automation and automated billing scripts via Jenkins.
- Wrote product evaluations and fault recovery procedures.
- Scripted server automation tasks in bash, Perl, Python, PHP, and AWK.
- Company was closed six immediately after I joined.

**GODADDY | Software/Sr Linux Engineer | Scottsdale, Arizona | October 2003 - October 2010**

- Lead operational engineer for GoDaddy's Web-Based Email system as it grew from 80,000 accounts (43 servers) to several million users (2000+ servers).
- Solved scores or major performance problems, and improved uptime from sub 90% to 99.999%.
- Configured Puppet manifests.
- Designed and maintained the infrastructure for Online File Folder, DNS, and Fax Thru Email.
- Configured and deployed GoDaddy's anycast DNS system.
- Documented, redesigned, and implemented major architectural changes to cope with extremely fast growth rate.
- Wrote automated installation tools, TCP/IP monitoring applications, DDOS prevention applications, anti-spam systems, custom services, and web-based administration applications.

**INTER-TEL | Software Engineer | Chandler, AZ | July 2002 - October 2003**

- Designed complex, multi-threaded application for Windows (Visual C++ / STL) using a combination of COM, shared-memory, database programming (ODBC), and LDAP.
- Designed and documented a proprietary SMTP/MTA application based upon XMail Server.
- Defined and documented requirements for Voice/Fax/Email software applications.
- Installed and configured openLDAP, PostgreSQL, Firebird, MS SQL Server, and SOLID.

***EDUCATION***

**BACHELOR OF SCIENCE ELECTRONIC ENGINEERING TECHNOLOGY**

DeVry Institute of Technology - Phoenix, Arizona

- Dean's List and Presidents List
- 3.74 GPA
- Thai Alpha Pi National Honor Society (top 3% nationally)

**REDHAT CERTIFIED ENGINEER: 805009006439920**

***INTERESTS***

- Currently studying Blockchain smart contracts and Web3 (Ethereum)
- Wakeboarder and Life-long Unicycle rider