Douglas Mitchell

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I am looking for a Systems Engineering position in the greater Columbus Ohio area; where I

- design and maintain distributed computing system applications using UNIX physical and virtual servers,
- coordinate with programming, networking, and business teams, in the support of application services,
- communicate with management and technical staff best practices in maximizing service up-time and availability.

Experience

- 10+ years experience in DevOps Systems/Infrastructure Automation development and operational management. Developed AWS CLI scripting which automatically deployed additional compute capacity in response to increases in web latency. Introduced Ansible Automation for deploying and maintaining Linux servers to support Bread Financial operations, hosted in AWS, Azure, and VMware compute environments.

- 20+ years experience in Systems Administration and Management – UNIX and Windows environments (Solaris, AIX, HP-UX, Linux, MS Windows).

- 20+ years experience in Bash shell scripting. I am an expert in the regular expression manipulation of electronic text, applications: automated systems performance monitoring and control, data collection for customer billing, ecommerce marketing research, forensic security analysis.

- 20+ years experience in Linux Administration and Management – Red Hat Enterprise/CentOS, Oracle Enterprise, and Ubuntu physical/virtual server instances in AWS, Azure, and VMware compute environments.

Work History

Bread Financial Services, formerly Alliance Data Card Services - Columbus, OH

Senior Infrastructure Engineer   September, 2018 to Present

Manage virtual Linux servers in Azure, AWS, and on-prem Vmware computer/storage/networked environments. Subject matter expert for Linux and UNIX systems, best practices, and secure network configurations for Alliance Data. Deployed custom Python, Java, development and production environments. Introduced Infrastructure as Code in the form of Ansible automation solutions, using Ansible scripting to deploy virtual servers, and perform software installation, configuration, and patching to deployed systems.

Auspicious Clouds Computing, LLC - Lancaster, OH

Systems Consultant   February 2017 to Present

In February of 2017, I founded my consulting company - Auspicious Clouds Computing registered in WV. My only client at the time was Vela, specifically the City Trader commodities trading platform that I helped design, build, and maintain for the previous 6 years.

After moving to Lancaster, OH to pursue an opportunity with Alliance Data Card Services in Columbus, OH. Auspicious Clouds Computing was registered as a LLC based in Lancaster, OH. I have no consulting clients at this time.

Exegy, formerly Vela LLC, formerly OptionsCity Software - Chicago, IL

Systems Engineer   March 2012 to February 2017

Managed production and development environments for an options and futures trading platform which is hosted on Amazon Web Services (AWS) AMI Ubuntu servers. Environment includes physical linux (Red Hat) servers, 50 virtual servers in the AWS Cloud, MongoDB, Zookeeper, Nagios, AWS services: S3 storage, RDS (PostgreSQL), Elasticache, Lambda Serverless Applications, Route 53 DNS, Application Load Balancers, NAT gateways, persistent VPN connections from the Amazon cloud (Eastern Virginia), to the Chicago Mercantile Exchange, the Intercontinental Exchange, the Eurex Exchange, and the Nordic Exchange.

Responsible for supporting Agile software development using Java and Scala programming languages, Bash, Ruby and Python scripting, development and production linux environments; networking support including: remote access, security, and connections to market data sources and order entry; build/configuration/deployment management; design, deployment, and day to day operation, and monitoring of the highly available Vela City Trader trading platform.

Multiplan, Inc., Naperville, IL

Systems Engineer   June, 2008 to March, 2012

Managed Solaris installations on SunFire servers with data storage (using Veritas Volume Manager) on EMC based SAN. Developed scripting to automate rsync file synchronization, and to maintain security patch levels across Solaris and Linux (physical and virtual) installations. Supported multi-level Oracle Weblogic application environment on Red Hat Enterprise and Oracle Enterprise physical and virtual (VMware) Linux servers which included: Apache static web content, a java application layer on both Weblogic and standalone Tomcat instances, and Oracle database servers which used ASM disk from an EMC SAN infrastructure.

Abt Electronics, Glenview, IL

Systems Engineer   December, 2006 to June, 2008

Maintained several Escalate Big Ticket point of sale(POS) instances with integrated Oracle database installations on IBM AIX p5 servers. Maintained PHP production and development environments, on both Linux (Apache/MySQL – e-commerce site) and AIX servers (Apache – store POS front end for Escalate software). Developed several custom tools written in Perl which in near real time display web status and statistics such as number of unique browsers(per minute/hour), number of pages displayed (per minute/hour), and real time sales statistics. Sales statistics included a breakdown of total sales from the various forwarding web services.

Family Video, Glenview, IL

Systems Engineer   December, 2003 to December, 2006

Designed new Red Hat Enterprise Linux based servers for deployment in over 500 Family Video stores throughout the Midwest, which serve an in-house developed point of sale system which included both credit card and gift card payment systems. Designed and implemented a central data repository based on a Red Hat Enterprise Linux cluster and EMC SAN installation, which coordinated communications for the Family Video store chain.

Consultant, Greater Chicago Area, IL

Systems Management   July, 2003 to December, 2003

Performed systems management and user support for large medical practice. Systems management and Perl programming to access MS SQL server for a medical collections company.

International Business Machines Corporation, formerly Arsenal Digital Solutions, Cary, NC

Operations Engineer   November, 2000 to July, 2003

Managed daily production operations of two Veritas Netbackup tape backup installations in data centers in downtown Chicago (Verio) and in Lisle, IL (AT&T) hosted on Sun Solaris Servers. As the only Arsenal associate in the Chicago area, worked closely with administrative, sales, and technical groups within Arsenal, Verio and AT&T to deliver regular, consistent, and complete backup services to customers in these two data centers. Developed and supported Perl application for the daily automatic collection of information about billable events (tape backup operations of our clients data on Netbackup).

CLAIRVOYANCE Corporation, Pittsburgh, PA

Information Technology Management   December, 1995 to November, 2000

Managed the acquisition, maintenance and support of the computer/networking/telecommunications infrastructure for the CLAIRVOYANCE Corporation. Maintained UNIX systems for C++ application development including three versions of AIX, on RS6000 based platforms, three versions of Solaris, HP-UX, Digital UNIX/and Ultrix, several versions of Linux as well as MS Windows Servers.

DXC Technologies, formerly Electronic Data Systems, Romulus, MI

Application Engineering   August, 1995 to December, 1995

Supported group of combustion engineers in developing C programs on a peer HP-UX workstation environment.

National Technology Transfer Center, Wheeling, WV

Information Technology Management   August, 1992 to August, 1995

Managed IT staff of seven employees. Coordinated the loading of data into full text search databases, and application development for Ingress relational databases. Established dial-up/Internet access to NTTC databases for the general public. Managed computer/network help desk, wrote and maintained NTTC network user, and bulletin board user guides.

Raytheon Corporation, formerly HRB Systems, State College, PA

Software Engineering   June, 1991 - June 1992

Performed software development in C and Pascal on both Solaris and VMS platforms.

Professional
Member in good standing of ACM (Association for Computing Machines), and IEEE (Institute of Electrical and Electronics Engineers).

Education
University of Akron, Akron, OH

Bachelor of Science - Electrical Engineering   December, 1985 - May, 1991

Along with core electrical engineering curriculum, studied software engineering, and the Japanese language. Engineer in Training certification for State of Ohio.