

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

- 20+ years experience in Systems Administration and Management – UNIX and Windows environments (8 years Solaris, 6 years AIX, 6 years MS Windows, 5 years HP-UX).
- 20+ years experience in Korn/Csh/Bourne/Bash shell and Perl 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, e-commerce 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 Azure, VMware, and AWS compute/network environments.

In all my positions I have demonstrated excellent written and verbal communication skills. I have been very successful in both management and senior technical positions - tasked with supervising other administrators in project deployment, and server/application/network maintenance. I have extensive experience in start-ups performing all network and systems administration tasking while establishing technical maintenance procedures and policies as the business matures.

I am open to offers of permanent personal employment or consulting contracts to my limited liability company - Auspicious Clouds Computing.

Work History

[Alliance Data Card Services](#), Columbus, OH

Senior Infrastructure Engineer September, 2018 – 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](#),

Systems Consulting – Lancaster, OH October, 2018 – Present

Moved to Lancaster, OH and changed incorporation of Auspicious Clouds to Ohio.

Systems Consulting – Parkersburg, WV February, 2017 – September, 2018

Founded my consulting company – Auspicious Clouds Computing. My only client at the time was Vela, supporting the City Trader commodities trading platform.

[Vela, LLC](#), Formerly OptionsCity Software, Chicago, IL

Systems Engineering March, 2012 – February, 2017

Managed production and development environments for the options and futures trading platform City Trader which is hosted on Amazon Web Services (AWS) AMI Ubuntu servers. Environment includes 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 Management June, 2008 – 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 Management

December, 2006 – 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 Management

December, 2003 - 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 - 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](#) – Formerly Arsenal Digital Solutions, Cary, NC

Operations Management

November, 2000 - 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 - 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 - 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 - 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](#) – 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. EIT for State of Ohio.