

# Mark E. Drummond - Cloud and Identity Systems Lead

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## CONTACT INFORMATION

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## SUMMARY

Experienced IT Professional with a passion for Cloud technology and lifelong learning. Lead technologist for Cloud Computing and Identity and Access Management.

- Senior information systems analyst with particular strengths in problem analysis and resolution, and communication of complex technology to non-experts. Able to work to demanding timelines with multiple projects under minimal supervision.
- 20 years managing UNIX and Linux systems in heterogeneous computing environments, specializing in: Cloud computing technologies, networking and information systems security, directory, identity and access management.
- Undergraduate in Economics at Queen's University, Kingston.

## PROFESSIONAL EXPERIENCE

**The Empire Life Insurance Company**, Kingston, Ontario, Canada

*Cloud and Identity Systems Lead*

**June 2016 – present**

As the Cloud and Identity Systems Lead, I provide primary operational design, management, and support of Empire's Google Cloud Platform-based "Digital Platform", as well as our cloud-hosted Identity as a Service solution, Auth0.

I design, test, integrate, and implement cloud-based solutions to optimize digital platform flexibility, stability, security and cost. I am responsible for identifying, testing, and implementing enhancements and automation capabilities for data migrations, security best practices, environment builds, and operational management standards to improve the efficiency of Development Operations.

*System Administrator III*

**January 2006 – June 2016**

As the lead analyst for Empire Life's mid-range Unix and Linux platforms, I managed a collection of IBM Power Systems, Oracle Sun Solaris and Red Hat Enterprise Linux servers providing J2EE application services to clients, partners, and employees.

My responsibilities included architectural design and implementation, leadership and direction for the future of our mid-range computing platforms, day-to-day operational management, 2<sup>nd</sup>/3<sup>rd</sup> line technical support and developer support.

**STANTIVE Technology Group**, Kingston, Ontario, Canada

*Technical Implementation Specialist*

**February 2004 – January 2006**

Architecture, installation and support of Sun Microsystems-based hardware and software technology solutions for private and public sector clients throughout eastern Ontario, with a focus on the Sun Java System (and its predecessors) communications, identity, and access management systems.

*Pre-Sales Engineer*

**December 2000 – February 2004**

Pre-sales support including systems analysis and solution architecture design for Sun Microsystems-based hardware and software technology solutions.

SKILL  
KEYWORDS

A loosely rated collection of keywords pertaining to my skill set:

**Expert:** IT Systems Architecture, IT Systems Analysis, IT Systems Security, Problem & Root Cause Analysis, Identity Management, Access Management, Directory Services, OpenAM, OpenDJ, Unix, Ubuntu, AIX, Solaris, PowerVM, WebSphere Application Server, Apache Web Server, Internet Technologies, Services & Protocols, DNS.

**Intermediate:** Google Cloud Platform, Auth0 IDaaS, Amazon Web Services, Python, R, RStudio, Perl, git, Github, JBoss Enterprise Application Server, Tomcat Application Server, Network Architecture, Network Administration, Red Hat, CentOS, L<sup>A</sup>T<sub>E</sub>X, Google Drive, LibreOffice, OpenOffice, Microsoft Office, Markdown.

**Novice:** SQL, Getting & Cleaning Data, Exploratory Data Analysis, Clustering, Statistics, Pentaho, Informatica DQ & MDM, MySQL, PostgreSQL, MongoDB, Orange, JavaScript, Flask, Node.js, Clojure, Haskell, Docker, IPython, NumPy, SciPy, pandas, Heroku, dotCloud, Mercurial, Emacs, Jenkins, Pelican, Twitter API, MapReduce, Hadoop, Pig, ElasticMapReduce.

EDUCATION

**Queen's University**, Kingston, Ontario, Canada

*Bachelor of Arts (Honours) – Economics*

**September 2008 – present**

I am a part-time student at Queen's University, working my way toward an Honours undergraduate degree in Economics, with a minor focus on Politics and Philosophy.

**Le College militaire royal (CMR)**, St-Jean sur Richelieu, Quebec, Canada

*CEGEP Diploma – Science and Engineering*

**August 1990 – May 1995**

While at CMR I completed the two-year College (CEGEP) Science & Engineering general studies program, and began work on an undergraduate degree in Computer Science.

INDUSTRY &  
PROFESSIONAL  
CERTIFICATION

- AWS Certified Solutions Architect - Associate
- Linux Foundation Certified System Engineer

PERSONAL  
INFORMATION

When I am not encouraging grass to grow in my front and back yards and then mowing it down again, I spend my off hours reading, riding my motorcycle, and training in Olympic weightlifting. Always engaged in educational pursuits, I also spend a good deal of my free time following Economics, Politics and Philosophy as part of my ongoing University studies, doing a little bit of coding in various programming languages, and getting up to speed on new technology. I have a long career in Martial Arts, enjoy skiing & snowboarding, and I have recently been getting into microelectronics projects with Raspberry Pi, Arduino and MicroPython.

