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Max Manders, BSc (Hons)

With an extensive background in web development, I am intimately familiar with the web and the technologies that make it work. Supporting that throughout my career has been the necessary systems administration and development of monitoring, and other custom tools that help to maintain complex multi-tier web applications. Focusing less on bespoke web application development in recent years I'm keen to continue the pursuit of a career that focuses more on the senior operational and *devops* aspects of complex web applications, as well as advocating and evangelising about those tools, technologies and processes which empower developers, systems administrators and operations engineers to work in concert to develop and maintain world-class web applications and infrastructures.

Skills, Tools and Technologies

- Linux / Unix
    - Debian / Ubuntu
    - RHEL / CentOS
- Linux Systems Administration
    - Apache HTTP server; LigHTTPd; Nginx;
- Cloud computing
- DevOps approach to operations engineering
- Infrastructure as code using Chef and Ruby
- Extensive experience with architectural design and implementation using Amazon Web Services
- Common scripting languages, i.e. Perl, Python etc.

- Shell scripting (Bash / ZSH)
- Common Linux utilities i.e. Awk, Sed etc.
- SQL
    - MySQL, PostgreSQL, SQLite, Informix
- Vim
- VCS (Subversion, Git)
- Object-oriented software design, architecture and implementation
- LAMP web development with PHP, (X)HTML, CSS and JavaScript following a modern responsive and progressively enhanced approach.

Employment History

10/2013 – PRESENT	Systems / Operations Engineer, Cloudreach Ltd.
Roles / Responsibilities	- Cloud systems migration with AWS - Cloud architecture design and implementation with AWS - Operations and service monitoring - Senior support escalation point - Implementation of new monitoring tooling using Chef and Ruby - On-call engineer responsibilities - Internal AWS trainer and DevOps evangelist - Mentor for junior engineers

08/2010 – 10/2013
Roles / Responsibilities

Systems Developer, Maglabs Ltd.
- Bespoke application development based on a CentOS / PHP 5 LAMP stack
- Contribution to custom AV processing framework.
- Business Analysis, requirements capture, software design and specification

07/2009 – 08/2010
Roles / Responsibilities

Senior Systems Developer, Diet Chef Ltd.
- Fulfill all IT requirements of the company
- Custom PHP / LAMP development
- Custom development of Zen Cart:
  - Repeat subscription facility
  - Stock control system
  - Call-centre interface
  - i18n and L10n to allow operational expansion to Germany, Austria and Benelux
  - Bespoke integration with QVC
  - Custom reporting for marketing analysis
- Bespoke Python GTK application to manager label printing for courier
- Wordpress theme and plugin development
- Linux Systems Administration
  - Linux, Apache, MySQL, Asterisk PABX

11/2007 – 07/2009
Roles / Responsibilities

Systems Developer, Valley Technology Ltd.
- Bespoke PHP application development
- PHP Symfony Framework
- Support and Systems Administration for Farm Foods
- Bash / Perl Scripting
- Terminal client development using C++ and ISAM Informix DBMS
- General Systems Administration
  - Apache, MySQL, PostgreSQL, OpenLDAP, Exim/Postfix MTAs

02/2006 – 11/2007

Roles / Responsibilities

Systems Developer, Crown Office and Procurator Fiscal Service
- AIX Unix Systems Administration
- Intranet development using Oracle 9iAS, Oracle 9i and PL/SQL
- LAMP-stack development
- KSH / Perl scripting
- Java SE development of new system to accept and process reports sent to COPFS

from various criminal justice partners

Education History

2001 – 2005   **Heriot-Watt University**
- BSc (Hons) Computer Science

1995 – 2001   **Breadalbane Academy, Aberfeldy, Perthshire**
- 5 SQA Highers including Computer Science (A), Mathematics (B) and Physics (A)
- SQA Advanced Higher Pure Mathematics (B)

Notable Achievements
- AWS Certified Solutions Architect
- AWS Certified SysOps Engineer
- Co-Founder and Organiser of Whisky Web
- Competent public / conference speaker