

# Liam McBrien: Curriculum Vitae

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## CONTACT INFORMATION

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## PROFILE

A computing enthusiast with a Master's degree in Computer Science from the University of Strathclyde, Scotland. Reliable, efficient and competent. A quick learner able to work effectively alone or as part of a team; experienced with and enthusiastic about computer software and hardware.

Experienced in many aspects of technical computing, including: software development using Java, Python, and Web technologies; SQL database design and implementation; UNIX systems administration; enterprise and desktop hardware maintenance, particularly Sun/Oracle systems; and more.

## EDUCATION

**University of Strathclyde, Glasgow, UK** **2003 – 2009**

*Degree award:* MEng Computer Science (with Distinction)

*Areas of study:* Software Development and Design (mainly Java with rudimentary C), Computer Architecture, Databases, Networking, HCI, related Business and Law classes

*Average marks:* 1<sup>st</sup> year: 78%, 2<sup>nd</sup> year: 71%, 3<sup>rd</sup> year: 68%, 4<sup>th</sup> year: 78%, 5<sup>th</sup> year: 87%

*Awards and prizes:* *University of Strathclyde:* Andrew McGettrick prize for Academic Excellence (2009), Best Final-Year Project (2009), Best Third-Year Group Project (2006)

*ScotlandIS:* 2<sup>nd</sup> place, Scottish Young Software Engineer of the Year (2009)

*Ordinance Survey:* 2<sup>nd</sup> place, national "Pushing The Boundaries" competition (2009)

**St. Thomas Aquinas Secondary School, Glasgow, UK** **1997 – 2003**

*Qualifications:* 2 Adv. Highers (A,B), 5 Highers (A,A,A,A,B), 8 Standard Grades (all Grade 1)

## PROFESSIONAL EXPERIENCE

**Sun Microsystems / Oracle Corporation**

*Lab Engineer, Global Systems Support Labs*

**Jul. 2006 – present**

Primary job role is the support of Sun/Oracle Support engineers by providing access to a complete range of Sun enterprise hardware and software. Main areas of responsibility include: management of a 7,000 sq. ft. datacentre/lab with ~180 racks of enterprise systems; maintenance and administration of Solaris production servers; and development of internal software tools.

Tasks include: installing, configuring, maintaining and repairing Sun/Oracle hardware systems across the entire past, current and future product range; maintenance of production Solaris servers (virtualisation hosts, file servers, web servers, virtual desktop servers, etc); development of internal software tools, ranging from minor shell scripts to complex web-based tools using Java EE and Django; management of development processes and project planning; maintenance of wikis and software documentation; training of students and peers on all of the above.

*Campus Ambassador, University of Strathclyde*

**Jan. 2008 – Jun. 2009**

Part-time work during university term time promoting free and open-source software made available by Sun. Created an on-campus Sun user group; delivered weekly technical presentations and demonstrations; promoted and provided access to Sun software and training resources; liaised with faculty staff to encourage adoption of Sun technology in courses and labs.

## PROFESSIONAL TRAINING

Has completed Sun/Oracle training courses in the following areas:

- Systems administration using Solaris and Oracle Linux (6 courses)
- Sun midrange and high-end server maintenance and support (6 courses)
- Sun storage and SAN maintenance and administration (2 courses)

PROFESSIONAL  
SKILLS

### Software Development

- 12 years experience in Java design and programming, often in a project leader role. Won multiple awards for various Java projects whilst at university and at Sun/Oracle. Created various internal software tools whilst at Sun/Oracle, including a business-critical Java EE web application with 1000+ users.
- 1 years experience in Python scripting and programming.
- 5 years experience in Web development using HTML, CSS, Javascript, AJAX, Java EE, Django, jQuery, Bootstrap and related technologies.
- 10 years experience in SQL database design and implementation, particularly using MySQL but also including Oracle and Sybase.
- 9 years experience in UNIX shell scripting.

### Systems Administration

- 9 years experience in UNIX systems administration, mainly using Solaris 10 and 11; some experience with Linux, mainly using Ubuntu / Mint and Red Hat / OEL.
- 9 years experience in installation, administration and maintenance of SPARC/x86 servers, storage arrays, and Ethernet/SAN switches. Broad knowledge of Sun/Oracle's entire server, switch and storage ranges.
- Experienced in building and maintaining x86-based PCs; regularly receives commissions from family and friends for custom builds, upgrades and repairs.

### General

- Broad experience of computing-related study at University of Strathclyde; wide array of classes studied up to fifth-year level, including related law and business classes.
- Strong English language skills; experienced in producing technical documentation using tools such as Sphinx.
- Basic typesetting skills using L<sup>A</sup>T<sub>E</sub>X (this CV is an example!).
- Trained first aider and Fire Warden.
- Clean UK driving licence.

INTERESTS AND  
HOBBIES

### Sports & Outdoors

Current focuses include badminton, inline skating, and rock climbing. Involved in traditional longbow archery from an early age and has been involved in the organisation of events at both club and national level. Keen pool and snooker player. Fond of walking and camping, particularly around Argyll, Glencoe, the Trossachs, and Snowdonia.

### Media

Keen PC gamer; runs and administers servers for Team Fortress 2. Enjoys reading mainly fantasy, sci-fi and crime fiction; favourite authors include Terry Pratchett, J.R.R Tolkien, Ian Rankin and Lindsey Davis. Plays drums and is a fan of various musical genres from alternative rock to baroque to traditional Celtic.

REFERENCES

*Available on request.*