

JAMES BURKE

Full stack developer with Ph.D. and B.Sc. (Hons) in Computing

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SKILLS & INTERESTS

Technical Skills

- Ruby on Rails (6 years commercial experience)
- Javascript: JQuery, Raphael (SVG), Backbone
- CSS / SASS / SCSS
- HAML / HTML
- Test driven development (TDD)
- Git / GitHub source control
- Twitter Bootstrap
- MySQL
- EngineYard deployment and server configuration (Nginx)
- Linux (Ubuntu) and Windows OS
- API development

Past Technical Skills (Not practised actively):

- PHP (incl. Wordpress)
- C# development using Microsoft XNA Framework for game development
- Brief academic experience with C++ and Java

Personal Skills

- Dedicated, enthusiastic worker.
- Mentoring and team leadership skills.
- Clear and friendly communicator in speech and writing.
- Work well in both team and solo work environment.
- Keen to share knowledge and provide assistance to fellow team members.
- Open to learning new technologies, techniques and skills.
- Strive for quality in all tasks.

WORK EXPERIENCE

ExamTime / GoConqr (Belfast) – www.goconqr.com

Senior Software Developer

09/2011 – Present

- Development of dynamic web applications in a small team.
- GoConqr platform built predominately on Ruby on Rails and Javascript (including JQuery and Backbone).
- Applications include mind mapping, flowcharts, flash cards, quizzes, slides, and online software store (*Software4Students*) built on Spree Commerce.
- Test driven development: Model and controller testing with RSpec; Integration testing with Capybara Webkit; Javascript tests with Jasmine.
- Senior team member with strong contribution to product and services.
- Mentoring of junior team members.
- Involved in recruitment of new developers (selecting and interviewing).
- Development of API for use by product's mobile applications.
- Social features such as private messaging, group discussions and sharing resources.
- Integration with Facebook and Google social platforms for login and sharing.
- Worked closely with development team members, sales and management.
- Agile development with daily SCRUM meetings.

University of Ulster Science Research Park (Coleraine)

DiS placement: Technical administrator

06/2005 – 06/2006

- Worked unsupervised providing technical / administrative support to incubator clients.
- Included PHP/MySQL development of intranet and website, both individually and in team.
- Cisco network and firewall maintenance.
- Microsoft Exchange server administration.

EDUCATION

University of Ulster (2007 – 2011)

- **Ph.D.** in Computing Science: “Games for Stroke Rehabilitation”, School of Computing & Information Engineering.
- Development & evaluation of 2D & 3D computer games which elicit arm movement for stroke rehabilitation.
- Multiple publications in journals and conference proceedings.
- Presented work at International conferences.
- Graduated with Ph.D. in June 2011.

University of Ulster (2003 – 2007)

- **BSc Computing degree with first class honours**, including diploma in industrial studies (DIS) with distinction.

Foyle & Londonderry College (1996 – 2003)

- A/AS Level - Mathematics (B), Business Studies (B), Information & Communication Technology (B).
- GCSE – 9 GCSEs, including mathematics (A*), additional mathematics (A), and English (A).

ACADEMIC AWARDS & ACHIEVEMENTS

Best paper award at IEEE International Conference in Games and Virtual Worlds, Coventry, March 2009.

Best short paper award at 2nd International Conference in Games and Virtual Worlds, Braga, Portugal, March 2010.

PERSONAL INTERESTS

As well as having a love of all things tech, I am passionate about music and enjoy attending gigs fairly regularly. My other hobbies include exercising, running, reading and playing video games when I manage to find the time!

PERSONAL ACHIEVEMENTS

- **2008** – Appointed student representative for PhD students in the School of Computing and Information Engineering at University of Ulster, Coleraine.
- **2007** – Mentored student team for Microsoft’s “Imagine Cup” game development competition and finished in top 20 worldwide (out of a total 120+ submissions).
- **2002** – Obtained Boys’ Brigade Queen’s Badge award.

REFERENCES

Available on request.