

# Rahul Trikha

To interact with people from various disciplines who are interested in applying and sharing their thoughts and practices across different media platforms. My main aim is to bring the knowledge of web based systems combined with core algorithmic knowledge of Artificial Intelligence to explore interactivity in mobile games and cross platform web based applications.

## Employment

### FULL-TIME: TECHNICAL LEAD, **KATALYST INTERACTIVE** (2009-)

An interactive media company; developing/maintaining web applications for clients like the **Womadelaide**, which is managed by Arts Projects Australia; **CMI Toyota** which is managed by the CMV Group etc.

#### Duties Involved

- System Analysis and Design
- Web Development using Ruby on Rails
- Liaise with clients on technical issues
- Amazon EC2, EngineYard, VPS Server Management
- Assist in the development of new web technologies (code generators, rapid application development frameworks)

### PROJECT MANAGER, **TRAKGENE PTY LTD.** (2007-)

TrakGene is the world's leading clinical genetics information management system, refined by over 10 years of user feedback. Developed by clinicians for clinicians, the software is installed in sites across the **UK**, as well as in the **US and Asia-Pacific**. The team is composed of past and current genetics industry personnel (**genetic counsellors, data managers and clinical geneticists**).

#### Duties Involved

- Project Management
- System Analysis and Design
- Development using C#, .Net
- Liaise with clients on technical issues
- SQL Server Management
- Assist in the development of new web technologies (code generators, rapid application development frameworks)

### LEAD DEVELOPER, **DIGITAL MONKEY PTY LTD.** (2006-2009)

An interactive media company; developing/maintaining web applications for clients like the **Australian Performing Arts Market**, which is funded by the Australia Council; the Australian Government; Arts SA and DFAT; the **Riverland Winegrape Grower's Association**; the **Jam Factory**; the **Adelaide Fringe**; SALA Inc; and Vertigo Productions, **StarPlay Music** etc.

#### Duties Involved

- Project Management
- System Analysis and Design
- Web Development using PHP, Ruby on Rails
- Liaise with clients on technical issues
- VPS Server Management
- Assist in the development of new web technologies (code generators, rapid application development frameworks)

PART-TIME: **LAB INSTRUCTOR, UNIVERSITY OF ADELAIDE** (2004-2006)

On location instructor to assist and mark students in the following languages: JAVA, PHP, HTML, CSS and C++.

**WEB DEVELOPER, HOTLAP PTY LTD.A** (2004-2006)

An interactive media company; developing/maintaining web applications for clients like **V8 Ute Racing Series** and **Coopers Racing** etc.

## Education

UNIVERSITY: **UNIVERSITY OF ADELAIDE, ADELAIDE** (2004-2006)

Masters of Computer Science

Research Modules:

- Computer System Security
- Computer Vision
- Evolutionary Computation

Research Project: **Adaptive Artificial Intelligence for synthetic creatures in games** with **RatBag Games**. I created a self learning **Quake II** computer bot using **Genetic Algorithms** and **Neural Networks**.

**GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI** (1999-2003)

Bachelor Of Information Systems (Hons)

Research Modules:

- Advanced Design Patterns
- Operating Systems (Linux Internals)
- Parallel Processing

Research Project: **Computer Security: A Systematic Study** (Dissertation).

SCHOOL: **ST. MARK'S SENIOR SECONDARY PUBLIC SCHOOL, DELHI** (1987-1999)

- A-Levels: Computing (A)
- CBSEs: 10th & 12th grades

# Skills & Interests

LANGUAGES: **Ruby, PHP, C#** and **C++**

FRAMEWORKS: **Rails** (Ruby), **Symfony** (PHP) and **Zend Framework** (PHP)

WEB: **HTML, XML, Javascript, SOAP** and **REST** knowledge, including experience with **jQuery, Zepto, CSS** and **SASS**.

VERSIONING: **Git**, Subversion and CVS

EDITORS: **Vim**, Eclipse

RESEARCH: Genetic Algorithms, Neural Networks and Heuristic Search Methods