

# Jay Umesh Gurnani

33 Botany Street • Randwick, NSW 2031

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## SUMMARY

I graduated from the University of New South Wales with a Bachelor in Computer Science and I am currently perusing a Masters of Information Technology at the same university. With 4 years of professional programming experience, I am able to develop complex solutions and communicate them to all levels of the organization. Colleagues know me as quick learner, an avid enthusiast for new technology and thinker who applies new computing paradigms for solving complex problems.

## OBJECTIVE

As a young data engineer, I am seeking employment with a company where technology is a key area of focus and I can utilize my skills in new technologies to help the company meet its goals.

## KEY SKILLS

### Technical Skills:

| Technology                                 | Competence |
|--|------------|
| Microsoft .NET 4.5 Framework (C# & VB.Net) | Expert     |
| SQL 2012, SQL2014, SSIS                    | Expert     |
| XLST                                       | Expert     |
| Java 7, Perl                               | Expert     |
| JavaScript, AngularJS, jQuery, HTML        | Strong     |
| Python, PowerShell, R                      | Strong     |
| Android SDK                                | Strong     |
| CSS, LESS, BootStrap                       | Elementary |
| Hibernate Framework, Apache Hadoop         | Elementary |
| Apache Maven, Adobe Flex, Sencha Touch     | Elementary |

### Soft Skills:

| Skill                                   | Competence         |
|---|--------------------|
| Languages – English, Chinese (Mandarin) | Native fluency     |
| Languages – Hindi                       | Elementary fluency |
| Team Management Systems (TMS)           | Proficient         |
| Agile Methodology/SCRUM                 | Proficient         |
| Written and communication skills        | Proficient         |

## EXPERIENCE

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### UNIVERSITY OF NEW SOUTH WALES (UNSW) • Sydney, Australia *Researcher – Networked System and Security Group*

Aug 2016 – Present

#### *Responsibilities:*

- ❖ Building a Drone Energy Model with Professor Mahbub Hassan's team

#### *Projects:*

- ❖ Master's Thesis: Tetherless Small Cell Base Stations using UAV Platforms.

#### *Technologies:*

- ❖ Java, Android SDK, R, Python

### PRICEWATERHOUSECOOPERS (PWC) • Sydney, Australia

Jan 2015 – Aug 2016

#### *.NET Developer & Lead SQL Developer – Enterprise Performance Solutions (EPS) Division*

#### *Responsibilities:*

- ❖ Based on Client specifications, built and designed enterprise web applications for multiple 6 month projects (front end and back end)
- ❖ Subject-matter expert on SQL performance tuning (25+ Developers) for enterprise systems
- ❖ Technical code reviewer for backend and middle tier code (25+ Developers)
- ❖ Mentored, trained and performance reviewed 3 interns
- ❖ Lead a team of 2 developers to load and performance enterprise web applications

#### *Achievements:*

- ❖ Received "Outstanding" rating for previous financial year
- ❖ Released 3 versions of the in-house Enterprise Software
- ❖ Initiated the Cross-Browser project resulting in a 2 year undertaking by EPS

#### *Projects:*

- ❖ Proof of concept for architecture automation and web application configuration using Puppet
- ❖ Proof of concept for replacing IE's XML Data Islands in legacy web applications
- ❖ Performance testing using JMeter and Visual Studio Load Test
- ❖ Improving SQL query performance across all systems
- ❖ Upgraded legacy web applications using Adobe Flex
- ❖ Architected and built software to manage the movement of enterprise data using SQL Replication and SSIS

#### *Technologies:*

- ❖ SQL, .NET, AngularJS, JavaScript, HTML, CSS, Adobe Flex, Visual Studio Load Test, JMeter

### PRICEWATERHOUSECOOPERS (PWC) • Sydney, Australia *Graduate – Enterprise Performance Solutions (EPS) Division*

Jan 2013 – Dec 2014

#### *Responsibilities:*

- ❖ Rotated among the Development, Business Analyst, Infrastructure Support and Business Intelligence teams to learn how each team operated with regard to the software development cycle

#### *Projects:*

- ❖ Rewrote legacy web enterprise applications using .NET 4.5 and jQuery (1 year project)
- ❖ Released 4 versions of the enterprise web application

#### *Technologies:*

- ❖ SQL, .NET, jQuery, JavaScript, HTML, CSS, PowerShell

#### *Achievements:*

- ❖ Awarded the PwC Values and Recognition Award for quickly learning the Sencha Touch Framework and fixing critical Sencha bugs on a short timeframe
- ❖ Received "Outstanding" rating for 2 previous financial years
- ❖ Automated various process through PowerShell, SQL and Perl
- ❖ Improved cross team technical knowledge sharing by documenting the technologies and the designs each team uses

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## ACADEMICA SINICA • Taipei, Taiwan *Intern Ruby on Rails Developer – Development Team*

Sep 2010 – Feb 2011 & Nov 2011 – Feb 2012

### *Responsibilities:*

- ❖ Worked on outstanding tickets to improve client-facing web applications (8 Developers)
- ❖ Responsible for all Chinese – English translations for all in-house developed software

### *Projects:*

- ❖ Upgraded the UI for backend ticket tracking systems

### *Achievements:*

- ❖ Streamlining UI code to allow for better coding standards and quality
- ❖ Introduced Atlassian's FishEye for SVN Commit visualizations

### *Technologies:*

- ❖ Ruby on Rails, Linux, PrototypeJS

## GOLD ARCH INTERNATIONAL PRESCHOOL • Guangzhou, China *Full stack developer*

Aug 2007 – Aug 2008

### *Responsibilities:*

- ❖ Liaised with client to gather business requirements
- ❖ Sole Business Analyst, Infrastructure support and Developer (1 year project)

### *Projects:*

- ❖ Designed and built Gold Arch International Preschool's Website from ground up

### *Achievements:*

- ❖ Built the website using Adobe Dreamweaver
- ❖ Learnt elementary design skills using Adobe Photoshop to meet client's needs

### *Technologies:*

- ❖ HTML, CSS, Adobe Photoshop, PHP

## EDUCATION

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### MASTER OF INFORMATION TECHNOLOGY

University of New South Wales • Sydney, Australia • High Distinction Average

Key Area of Focus: Big Data Technologies

July 2015 - Present

### BACHELOR OF SCIENCE

University of New South Wales • Sydney, Australia • Credit Average

University of Illinois • Champaign, IL, USA

Aug 2009 – Nov 2012

## CERTIFICATIONS

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### Microsoft 70-461: Querying SQL Server

Score: 91/100

May 2015

### Algorithms (Coursera)

July 2014

### IKM Test: Microsoft .NET Framework 4.5 Programming using C#

Score: 82/100 (Strong proficiency)

Aug 2016

## AWARDS

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### PwC Values and Recognition

Awarded for quickly learning the Sencha Touch Framework and fixing critical Sencha bugs

June 2014