

13/243 Collins St  
Melbourne, Australia  
+61-402441975  
[shourov@symmetri.com](mailto:shourov@symmetri.com)

# Shourov Bhattacharya

---

**Summary** I am a software developer and researcher, a writer and a performer with a unique mix of creative, artistic and technical skills.

I take on projects at the intersection of Art, Technology and Science and direct teams of skilled contractors to deliver my work.

**Experience** December 2011 –  
**Director/Technologist**  
Pongolabs  
<http://www.pongolabs.com>

**Research new directions in web software**, including novel human-computer interfaces and applications of complexity theory and AI. Prototype applications and perform experiments and simulations to validate and commercialize ideas.

March 2005 –  
**Director/Software Architect**  
Symmetri  
<http://www.symmetri.com>

**Architect, develop and deploy advanced software** for a variety of clients using many different technologies. Direct teams of contractors to deliver projects.

March 2010 –  
**Writer/Singer**  
The Bombay Royale  
<http://www.thebombayroyale.com>

**Perform as lead singer and write music** for Melbourne-based Bollywood funk/pop band The Bombay Royale. Perform at festivals and venues in Australia and overseas and record album for 2012.

May 2003 – February 2005

**Technical Architect**

G2Australia

**Architect and develop internet applications** to support active advertising campaigns at a global level.

October 2001 - April 2003

**Technical Director**

William (Web Agency)

**Develop an original database technology** and create a new line of database products. Manage a team of 2-3 developers working on diverse and parallel projects

October 1999 – October 2001

**Software Engineer**

Honeywell Software Development Centre,

**Develop software solutions** for security and industrial control products

September 1997 – August 1999

**Teaching and Research Assistant**

University of Delaware

**Design and construct an original design of a spherical robot.** Wrote and published technical papers. Owner of U.S. Patent 6414457.

**Skill summary**

**Technology:** excellent knowledge and experience with

HTML5/CSS3, jQuery, Flash/Flex MXML and AS3, ASP.NET 2/3/4 (C#, VB.NET), C, C++, PHP, XML/XSLT, SQL

**Languages:** English (excellent), Spanish (intermediate), Mandarin Chinese (intermediate), German (intermediate), Hindi (good), Bengali (excellent)

**Writing:** Full Writer Member of APRA (Australasian Performing Right Association)

## Education

December 1999

### **Masters of Mechanical Engineering (Robotics)**

The University of Delaware, Newark, Delaware, USA

July 1997

### **Bachelor of Mechanical Engineering (First Class)**

### **Bachelor of Computer Science**

The University of Melbourne, Australia

## Examples of work

### **Igwana Menu System**

(no public URL yet available)

- Icon based, learning selection system that will allow users to search complex data sets with the use of touch alone
- Due for alpha release in 2012

### **Glassbrush Visual Browser**

(no public URL yet available)

- Experimental new user interface that uses images as a base for interactive events and uses very little text
- Due for alpha release in 2012

### **searchcube Visual Search Engine:**

<http://www.search-cube.com>

- A visual search engine that shows previews of search results animated on a unique three-dimensional cube interface.

### **3D Building Modeller**

<http://www.symmetri.com/symmetri/3dbuilding.swf> (video demo)

- an accurate, constraint-driven 3D modelling tool for the construction of building models in real-time

### **Online Yacht Race Simulation**

<http://www.symmetri.com/symmetri/yacht.html> (video demo)

- Online yacht race simulation that runs race for 10,000+ users in real time, including live tracking, chat, triggered events
- Now running as annual promotion for major beverage brand

### **The Bombay Royale**

<http://www.thebombayroyale.com>

- Selection of online recordings, live videos and trailers for upcoming releases from The Bombay Royale

### **The Verandah**

<http://www.theverandah.net>

- Selection of fiction/non-fiction writing on various topics