

# Purencool Website Development Portfolio

## CONTACT DETAILS

Phone	03 5443 5123
Mobile	04 3787 0797
Email	<a href="mailto:john.cullen@purencool.com">john.cullen@purencool.com</a>
Linked-In	<a href="#">purencool</a>
Twitter	<a href="#">purencool</a>
Google+	<a href="#">purencool</a>
Skype	<a href="#">purencool</a>

## **Purencool Website Development**

### **PROFESSIONAL EXPERIENCE**

#### **Independent Consultant from 2010–Present**

Amanti Coffee Australia, my role there has been to develop 50 websites (using the Drupal framework), networking and application design and development (currently under development).

We also assisted other companies achieve their online goals in the areas of design, development and social media.

#### **Victorian Department of Education - IT Specialist and part time web developer 2010- 2011**

Managing multiple computer networks and creating and managing their online tools.

#### **Scada software for online applications late 2009-2010**

Creating and implementing software for Scada systems so that manufacturing clients can see how their units are working and to be able to see real time data and trouble shoot issues from any where in the world.

#### **Website design and development 2009**

Installing wiki's and WordPress for small business.

#### **Contract Networking 2008**

Worked with a private contractor using Windows 2003 and Ubuntu servers. Part of that role was also to create websites.

#### **Owned a successful cleaning company 2007 and before**

### **COMPLETED EDUCATION**

- Diploma in IT 2009
- Certificate 4 in Project Management 2009
- Certificate 4 in Small Business Management 2010

### **PERSONAL EDUCATION**

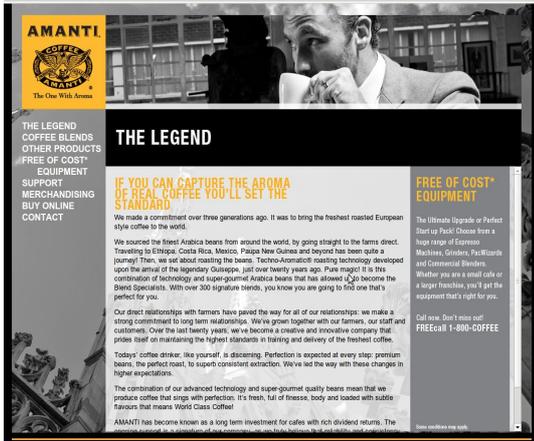
- I have just attended Drupal Down Under 2012.
- I attend the Drupal mentoring group each month in the State Library, Melbourne Victoria.
- I am currently reading The Definitive Guide to Drupal 7
- Writing internal applications for Purencool Website Development in Java and PHP, these are in the process of being Open Sourced or under development.
- Maintaining my Windows and Linux networking skills including learning Bash scripting.

### **ABOUT ME**

I am married to my wife of 12 years, and have a three year old daughter. I love swimming and bike riding and my computer is called the 'other woman'. My personal goals are to spend time with my family and by the end of March 2012, be able to swim ten laps of free style non stop in a fifty meter pool.

# Purencool Website Development

## CASE STUDY ONE (AMANTI COFFEE)



### PROJECT OVERVIEW

URL: <http://amanticoffee.com/The-Legend>

Time line: September 2011 – Not Completed

Technologies: OOP CSS3, HTML

Description: Amanti Coffee 'the one with aroma' is well known in Melbourne for style and great products currently they are moving all their brands online to get greater exposure.

### WORKS PURENCOL HAD TO COMPLETE

Purencool did not design this website it was done by Amantis' in-house graphic designer. We did however work very closely with them to achieve the current iteration assisting them in understanding how this medium works and technological limitations.

### CLIENT ISSUES

Amanti needed to build their main website in two days. So when Purencool Website Development were engaged these works needed to be completed quickly. To negate this issue we devoted 36 working hours to the project. In that time we completed the final design then developed a small PHP script as well as theming and adding content. At this point Amanti Coffee's design is not going to change but we are in the process of moving the theme and the content onto the Drupal framework.

### TECHNICAL ISSUES

In this build the technical issues that arose were CSS opacity and the way it was visibility displaying between different browsers. We corrected this by adding the CSS into style tags in the header of the document and made style changes for each browser.

When browsing through Amantis' website the background image is random, to create this affect we used a PHP function that randomly adds an image except on the home page and then inserted it into the header style tags as CSS.

The website hosting of Amanti is not based in Australia so the imagery that was being delivered to a client needed to be as light as possible. We reduced the background image quality to keep file size small but we kept testing to ensure it would not take away from the aesthetics.

### CLIENT FEEDBACK

“Thank you, Thank you, Thank you, Mr handsome.”

We now have an on going relationship with Amanti Coffee and are working with them on their fifty websites and new web-based product that is under development by us at this time.

# Purencool Website Development

## CASE STUDY TWO (ACCESS EMPLOYMENT)



### PROJECT OVERVIEW

URL: <http://www.accessemployment.com.au/>

Time line: Jan 2011 – March 2011

Technologies: Word-press PHP, CSS, HTML

Description: Access Employment is an employment agency that specializes in assisting people with disabilities to gain employment to suit their needs.

### WORKS PURENCOOL HAD TO COMPLETE

The design and development was completed by Purencool Website Development the directive was the build needed to be clean and accessible against the WCAG2 standard. There was to be no JavaScript so that users could use a screen reader if they needed to access the website. The staff also needed to be educated on how to use the CMS.

### CLIENT ISSUES

The client had a limited budget and wanted it user friendly for people with disabilities. We designed an interface that had a lot of white space and contrast in colors so it was visually easy to see. We tested our theme against the WCAG2 standard continually throughout the process this allowed us to make changes quickly without a total redesign needed.

Once the project was completed Purencool went to the client and gave one on one tuition to the relevant people in the agency and then gave followup tuition via phone and other on site appointments.

### TECHNICAL ISSUES

The website needed to be deployed on Access Employment's Windows virtual server. To solve that we installed a Mysql database and created accounts that would not affect root access. Then we setup IIS with a virtual host, installed WordPress and deployed the theme and content.

Because of the nature of the design and the need to have no JavaScript for useability reasons, the CSS menu needed to be developed and tested and modified over a period of time allowing people with visibility and motor issues to give the developer feedback. We were then able to make changes as we set up a test site and kept updating it until it was able to be used correctly.

### CLIENT FEEDBACK

“We know that we can contact Purencool with any question about the internet and our website and they will respond.” Purencool have an going relationship mainly education and PHP development when it is needed.

# Purencool Website Development

## CASE STUDY THREE (Scada Smart Phone Web Application)



### PROJECT OVERVIEW

URL: Can't be displayed  
Time line: Dec 2009 – Mar 2010  
Technologies: JavaScript, Mod-bus, HMI Scada System, CSS, HTML

Description: John Mitchell Electrical is a Scada specialist. Developing software for manufacturing companies that need to see information about the manufacturing lines.

### WORKS PURENCOL HAD TO COMPLETE

Purencool Website Development were engaged to create software for Scada systems so that manufacturing managers could see data in real time and trouble shoot issues with the production line from anywhere in the world.

### CLIENT ISSUES

This system needed to be fast, secure and light weight so that it could be accessed over any type of bandwidth. They also wanted the software to be intuitive and easy to understand giving real time data. To solve these issues we created a very simple interface that would allow us to see the information and if they needed more they could request more information.

### TECHNICAL ISSUES

The web server for this application was a proprietary product so Purencool had to find a way of extracting the data using the Mod-bus protocol then display it using HTML CSS and JavaScript and create an application that could react quickly. The image above shows yellow bars that have been developed to act like a switch to display data or make changes quickly. We increased speed by minimizing the imagery and removed all white space from the JavaScript and the back-end script this gave us the ability speed up the refresh rate over standard band with by a third. This is only a small part of the application displayed above.

### CLIENT FEEDBACK

The client was very happy with the application and they have taken the code base and are willing to use it on other sites in other applications. We now have an ongoing relationship with John and have been able to make suggestions how this tool can be used and altered.

# Purencool Website Development

## CASE STUDY FOUR (Beautiful life online store)



### PROJECT OVERVIEW

URL: <http://www.beautifullife.net.au/>

Time line: Late January-Feb 2011

Technologies: Drupal Commerce

Description: It's a Beautiful life is a new online shop that sells bus rolls Australia wide they are unframed and are currently being sold via eBay

### WORKS PURENCOOL HAS TO COMPLETE

Purencool have been engaged to design and develop an online shop and blog so that Beautiful life can start creating a single point for selling bus rolls and creating a blog to drive traffic to the web site using tools like social media.

### CLIENT ISSUES

There have been no real issues with this website. The customer wants to start to increase their online brand that will assist them to grow sales and create community around the product this is step one of the strategy.

### TECHNICAL ISSUES

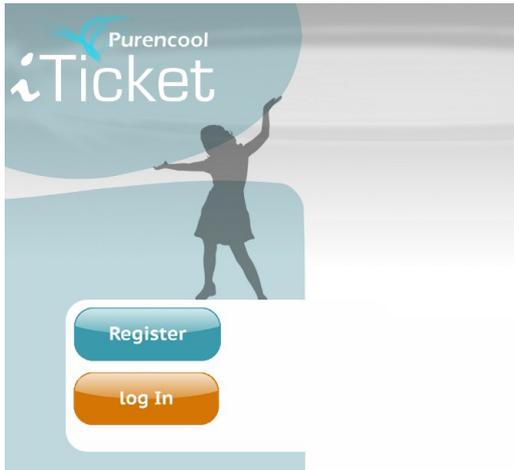
The Drupal commerce shop default information was too much so we created a view and aggregated the totals so it gave it a simplified look.

### CLIENT FEEDBACK

The client is happy with the design at this stage and is waiting for the theme to be completed. The training for their tool can begin.

# Purencool Website Development

## CASE STUDY FIVE (Purencool Iticket)



### PROJECT OVERVIEW

URL: [www.purencool.com/iticket](http://www.purencool.com/iticket)

Time line: Dec 2011 - June 2012

Technologies: OOP Sql Html5 CSS3 JQuery

Description: Purencool Iticket is a light weight ticketing Open Source software that is developed by Purencool to assist them in their work flow and to display to potential clients what we are capable of producing. It will in the future link into their Java business application that runs on Windows or Linux.

### WORKS PURENCOOOL HAS TO COMPLETE

Purencool has engaged itself to design and development an internal application that will use the technologies Object Orientated, Html5, CSS3 and JavaScript, it needs to be written using industry standards including Model View Controller. It will also need to be user friendly and be used on any html5 device taking into consideration the growing use of the mobile web. It has to be easy to install so that others can use this Open Source product.

### CLIENT ISSUES

The client needs a tool that can be used from any device in the world. We have placed this project online and have been designing the application so that it will be able to resize itself in any circumstance so we have used Media Queries on the current theme and tested against different size devices and been iterating the design and making changes so that it will work in most environments.

Purencool need to ensure that they keep up to data with the latest technologies. By creating this product Purencool Website Development will be able to test and iterate so that it can use these technologies in an production environment.

The company needs to be able to market to potential customers their skill set. Building this product and giving it away for free allows for greater exposure over a long time.

### TECHNICAL ISSUES

Purencool needs to keep up with the new technologies like HTML5, CSS3, Browser Databases, and Object Orientated Patterns. Once the core is developed by using a feature base programming style (Agile) we will be able to assign time and iterate over the product.