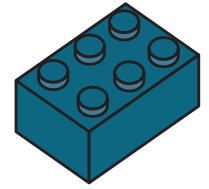


# Dominic Barker

## Software Developer



I am highly competent and versatile developer. I have commercial experience with a very wide range of technologies and platforms including n-tier web applications, native and HTML5 mobile apps and Computer Aided Design desktop software. I strive to solve problems by creating clean, maintainable and testable solutions. I have worked across several economic sectors including travel, property, law, pharma, engineering and retail. Working with the technologies best suited to the task at hand is something I enjoy and as such don't have any particular allegiance to a given technology stack.

I practice Agile and BDD. I believe that there is no such thing as defective code, only inadequate test coverage.

## Skills

- ∞ Problem Solving
- ∞ Analysis
- ∞ Communication
- ∞ Software Architecture
- ∞ Object Oriented Design
- ∞ Programming
- ∞ BDD / TDD
- ∞ Domain Driven Design
- ∞ Technical Writing
- ∞ Web Development
- ∞ Mobile Development
- ∞ Source Control
- ∞ Project Management
- ∞ Leadership
- ∞ Agile

## Technologies

- ∞ Ruby
- ∞ Ruby on Rails
- ∞ Resque
- ∞ RSpec
- ∞ Cucumber
- ∞ Selenium
- ∞ Capybara
- ∞ Phantomjs
- ∞ PostgreSQL
- ∞ MongoDB
- ∞ Redis
- ∞ Javascript
- ∞ CoffeeScript
- ∞ Jasmine
- ∞ Sinon
- ∞ Underscore
- ∞ Backbone.js
- ∞ Knockout.js
- ∞ jQuery
- ∞ HTML5
- ∞ JMVC
- ∞ Karma
- ∞ Requirejs
- ∞ Grunt
- ∞ Bower
- ∞ Heroku
- ∞ Node.js
- ∞ CSS
- ∞ SASS
- ∞ LESS
- ∞ Linux
- ∞ OSX
- ∞ Phonegap
- ∞ c#
- ∞ ASP MVC
- ∞ SQL Server
- ∞ NHibernate
- ∞ NUnit
- ∞ git
- ∞ TFS

## Experience

### Senior Developer

### Unomee

April 2012 - Present

At Unomee I led the development of a Ruby on Rails project making use of PostgreSQL, Cucumber, RSpec and Heroku. I also helped out on other projects, tuning production applications, creating a site scraper in Node.js and upgrading older code bases to newer versions of Rails.

I led the development of a Google Docs style Document editor with Backbone.js, Require, Jasmine, Grunt, Bower and Cucumber.

I architected a real time price analysis tool for an Airline. My design specified the use of CORS, ASP MVC Web API, RavenRB and Backbone.js.

I mentored junior staff and ran lunchtime tutorial sessions on a range of topics such as switching from .NET to Ruby and modern front end development.

## **Developer**

## **Earthware**

**October 2010 - April 2012**

Earthware specialises in interactive mapping solutions. I maintained existing applications for clients such as the Financial Times and leading commercial property portal NovaLoca. As well as extending portions of the Bing Maps admin console for Microsoft.

I created mapping solutions for the NHS, plotting patient data across the geographic boundaries of NHS Trusts.

The server side stack was .NET and client side development was in Silverlight or Javascript using both Google Maps and Bing Maps API's. Applications with large amounts of Javascript were written with Knockout.js or JavascriptMVC.

## **Developer**

## **The Technology Studio**

**October 2010 - April 2012**

The Technology Studio is Earthware's sister brand with a more general focus on Web and Mobile development.

It's flagship product is MiThoughts, an iPad app to enable two way communication between a presenter and their audience. It consisted of a WPF desktop application for converting Powerpoint files or creating new presentations, a MonoTouch iPad app, and a web application for processing the data created during presentations. I was involved mainly with the iPad app and the data processor.

I also helped create and maintain a number of websites using ASP MVC and ASP.NET, numerous HTML5/ Javascript mobile applications that were packaged with Phonegap and some native iOS applications.

## **CAD Manager**

## **Atkins**

**April 2008 - April 2010**

Atkins is a vast Civil Engineering consultancy, the largest in Europe. I managed a team of designers and analysts and wrote software that was used to create designs for large infrastructure projects such as the London 2012 Olympic Games.

The software I wrote enabled CAD users to create drawings that conformed to required standards easily and simplified the creation of complex geometries. I also created utilities to analyse and audit existing drawing files in order to isolate examples of bad practice and reduce excessive storage demands.

## **Developer**

## **Transport for London**

**April 2007 - April 2008**

I developed a system to convert AutoCAD drawings into data suitable for use by a Java application that would display information on a website and liaised with GIS professionals, software developers and civil engineers to create the best possible solution.

I created a drafting specification for external consultants to work to, covering visual styles and CAD methodologies as well as software that enabled consultants to draw to the required specification with minimal errors.

I also built software in that converted data from TfL's asset management database into AutoCAD drawings as well as extending the functionality of AutoCAD MAP 3D software to make better use of object data.

## **Technician**

## **AECOM**

**July 2004 - October 2005**

Created detailed and preliminary design drawings of road junctions, roundabouts and traffic signal arrangements.

Prepared topographical survey quotation requests and processed the returned data into base mapping suitable for design.

Drew graphics for consultation leaflets.

Prepared drawings and diagrams for the Centre of Cycling Excellence - now used as TfL's design standards.