

# Derek Houghton

Data Architect

Application Designer

Over the past 20 years I have worked on various projects in which I have been an active team developer through to managing my own group of digital creatives.

I am comfortable working in either role.

My focus is on delivering high level functionality with a user friendly aesthetic whilst combining relevant security and robust testing procedures.

My areas of expertise are in the design of front-end interfaces, middleware object-oriented logic and back-end database administration with the addition of providing bespoke ETL systems.

## Education:

BSc Hons. Zoology - *Aberdeen University*

MSc Information Technology - *Stirling University*

## Previous Employers and Projects:

### Edinburgh University / Medical Research Council

*To develop a molecular atlas of gene expression for the developing organs of the GenitoUrinary tract as part of a multinational project: (GUDMAP)*

*To develop a spatially mapped gene expression database as part of a European wide project (EurExpress)*

### Glasgow University

*To develop BioMedical research tools delivered by Grid Enabled Services (BRIDGES)*

### Highlands and Islands Enterprise

*Financial database design with the intention of easily implementing government strategies as they came online with subsequent deployment to networked associates.*

## Startups:

### State Theta Galleries

*A dedicated centre for the development of Movement, Health and the Arts in East Lothian.*

### Social Web Enterprise

*Providing digital identity and design solutions.*

## Other Activities:

Author - *Short Stories*

Percussionist - *Acoustic/Electric*

Cook - *Hay Guidelines*

## Programming Languages:

Java EE

Java Server Faces

Java Servlets

Javascript + JQuery

PHP

HTML 5

CSS 3

Ruby on Rails

Perl

## Server Software:

Apache, Glassfish, Tomcat.

## Testing:

Junit, Jmeter, Mantis

## Database Management Systems:

MySQL, DB2, Sybase, Progress

## Development Environments:

Eclipse, Netbeans, Visual Paradigm

## Multimedia:

Adobe Creative Suite

## Versioning:

Git, CVS, Maven

## Contact:

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