

PROFILE

Skilled and reliable programmer with 10 years OOP experience, now specialized in the development of rich internet applications. Confident creating all aspects of web software from database schemas to interactive UIs. A keen communicator, focused on project delivery. Happy both at the heart of a team or working alone under pressure.

PRIMARY SKILLS

- Languages - C, AS 2, AS 3, Java, PHP, PL/SQL, Prolog, XSLT
- Libraries - Away3D, Flex, Hibernate, JDK 3/4/5, Papervision, Spring, Struts, Swing
- Media - Codecs, Custom MP3 / FLV players, Sound engineering, Streaming
- Platforms - AIR, Apache, CS4, Eclipse, JBoss, Smartfox, Tomcat
- Protocols - AMF, DNS, FTP, HTTP, IMAP, POP3, REST, SOAP, SMTP, XML-RPC
- RDBMS - MySQL, Oracle, Postgres, SQL Server
- Standards - CSS, EJB 3, HTML, JavaScript, RDF, XHTML, WML

EXPERIENCE

PRINCE2, Scrum,
Eclipse, FDT, XRay,
Ant, SVN, Subversive,
AS2, Flex, Cairngorm,
CDN, Apache,
Tomcat, Memcache,
Struts, Spring,
Hibernate, Postgres.

Lead Developer

Mind Candy, London

Permanent | 2007-2008

Coordinated the development of [Moshi Monsters](#), an award-winning virtual world that enables kids to foster cartoon monsters with unique personalities. Built a team of Actionscript programmers and rapidly delivered a rich application using agile methodologies. Defined a scalable architecture that not only enabled the site to acquire half a million new users in 6 months but also made it possible to add features such as pre-moderated social networking, sub-applications like puzzles and mini-games, sophisticated asset and configuration management and a dynamic behavior engine with its own scripting language. Mind Candy's studio environment involved working alongside animators, illustrators and designers. Together, we overcame a series of architectural challenges to provide a rewarding visual experience without compromising performance.

ISO-9001,
Eclipse, IntelliJ IDEA,
Ant, SVN, Subclipse,
UML, JDK 5, Swing,
AWT, Multithreading,
SOAP, XFire, WSDL,
J2EE, JBoss, EJB 3,
Hibernate, Oracle 10.

Senior Java Consultant

IDBS, Guildford

Contract | 2005-2006

Helped develop [E-WorkBook](#) - ISO-9001 certified information management software from the team behind several industry-standard tools for research scientists. Worked with product managers, developers and QA testers to design and build a multithreaded Eclipse desktop application with J2EE back-end. Contributed to every layer of the stack from database schemas to custom Swing components. Built a SOAP data import API to satisfy a multi-million dollar integration contract with Pfizer. Collaborated with external consultants to prepare the application for 21 CFR / 11 validation. Created and maintained modules such as rich media search (with interactive query builder), a SVG sketching & annotation tool and an RDF-based system for managing controlled language.

Agile, XP,
Maven, Javadoc, JUnit,
JDK 4, JSP, JSTL,
Apache, Tomcat,
Servlets, Struts, SOA,
XSLT, JAXP, JDOM,
PL/SQL, Oracle 9i.

Technical Lead

CSG, London

Permanent | 2003-2005

Assembled and directed a 15-strong team in the migration of [BioMedCentral](#) (publisher of over 150 open-access science journals) to a Java system based on SOA, Struts, JSP, Taglibs and Velocity. Defined working practices incorporating test-driven development, pair programming, code review and documentation. Created and tuned core libraries such as a thread-safe connection manager that enabled over 100 sites to connect to a single Oracle 9i cluster. Instigated a build system based upon Ant, Maven and Cruise Control that automated the majority of testing, integration and bug reporting procedures for over 20 interdependent Java projects. Wrote Eclipse plugin for config management.

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ALASTAIR DANT

SENIOR INTERACTIVE DEVELOPER

EXPERIENCE cont.

Visual Studio, VSS,
JDK 3, J++, JScript,
IIS 5, COM, ASP,
MSXML, XSD, XSLT,
DTD, XPath, ConText,
PL/SQL, Oracle 8.

Senior Developer

CSG, London

Permanent | 2001-2003

Developed two major applications for [Current Controlled Trials](#). The mRCT required a suite of tools capable of aggregating and managing data from a wide variety of sources (including database dumps, CSV files, web services, and HTML spidering). The ISRCTN scheme required the design of a numeric identification system (similar to ISBN) and the creation of multi-page online forms for submitting new trial data. Built a search engine using Oracle technology and COM that enabled both sites to offer full-text querying of over 100,000 trial records. Wrote heavy-duty XML import routines in Java and PL/SQL to satisfy a yearly contract with the NHS that provided the majority of the project's income.

Visual Studio, VSS,
VB, VBScript, JScript,
IIS 5, COM, ASP,
HTML, CSS, JS,
SQL Server.

Systems Developer

Property Internet, London

Permanent | 2000-2001

Developed core systems for 08004homes.com, a UK property portal with over 5 million pounds investment. Created a searchable index of property data from more than 100 different import sources. Built a CMS that allowed the authoring and management of news stories and other editorial content. Wrote a syndication engine that provided news feeds to 3rd parties in formats such as Pointcast, RSS, WML. Outsourcing deals meant regular travel to work with 3rd party developers in London, Switzerland & Croatia.

NT 4, Exchange,
NetBios, SMB, TCP/IP,
SalesLogix, ACT,
VB, VBA, Delphi,
Access, SQL Server,
Crystal Reports.

Systems Manager

Datapaq, Cambridge

Permanent | 1998-2000

Developed & administered IT systems for [an industry leading temperature-profiling manufacturer](#) with offices in Germany, China and the USA. Established a multi-domain NT network that provided file-sharing, authentication, and email services across all sites. Travelled internationally to set up and deploy a large CRM that synchronized data from their UK headquarters to 3 remote offices and over 20 sales reps. Migrated legacy systems for invoice tracking and inventory management to custom applications built in VBA, Access and SQL Server. Created extensive sales and marketing reports in Crystal.

OTHER PROJECTS

Audio Sequencing,
ActionScript 3, AIR,
Papervision, AMF,
Google App Engine.

Head Gardener

Sonarborria

Ongoing

Currently working on a generative system that invites users to breed a forest of musical trees. The initial release will involve an interactive installation that will be launched as part of the Darwin 200 celebrations in 2009 and aims to introduce folk to evolutionary theory. Our current prototype combines an AIR client with server code running on GAE and was selected to appear at Makers Faire as part of New York Internet Week. Further details can be found on [our website](#).

ActionScript 2,
MX Components,
Maps, Geodata, I18n,
PHP 4/5, REST,
Apache, MySQL.

Joint Founder

Folk Songs Project

2005-2007

Collaborated with a producer and a designer to explore themes of cultural identity and urban flow. Projects included building [interactive sound maps](#) in New York and beyond, a Portuguese [concert tour](#) that combined local sounds with improvised music and a commission from Manchester International Festival to build [an audio-visual installation](#) which placed the sounds and voices of marginalized wards at the heart of the city centre. This work featured in TimeOut New York, the Guardian newspaper and several BBC Radio broadcasts as well as being mentioned in blogs across the internet.

EDUCATION

BSc, Cognitive Science (Computer Science, Psychology, Linguistics)

UCL | 1998

CERTIFICATION

CSM, Certified Scrum Master

London | 2008