Antony Quinn

IT Consultant
Cambridge, United Kingdom

antony@quinn.it
+44 7950 150026

An innovative and adaptable software development and user experience (UX) professional with a broad background in bioinformatics, healthcare and finance. Deep expertise in Java EE, web development, database development and interaction design from 20+ years building software products. Now looking for contract or consulting roles in the Cambridge region.

KEY SKILLS

- Agile software development in Java EE, Python, Linux, XML and SQL
- User experience and user interface design
- Creative facilitation and coaching
- Public speaking
- Effective communication of technical concepts and solutions to senior management
- Appreciation of business strategy and underlying business imperatives
- Excellent analytical and problem-solving ability
- Client relationship management
- Friendly, approachable and able to build positive personal and organisational relationships
- Fluent French and Spanish, with working knowledge of Italian, German and Dutch

EXPERIENCE

Freelance IT Consultant (May 2013 - Present)
Clients:
- Sigma Consulting Solutions (2016) - business development and UX consulting for healthcare and life sciences
- Linguamatics (2016) - Java development for text mining software
- Cambridge IT Courses (2016) - delivery of web design training courses
- Vybrant (2015) - UX design for learning and development software
- Dovetailed (2014) - UX design for industrial 3D modelling software
- Decoded (2014) - delivery of web development training courses
- Eagle Genomics (2013) - UX design for functional genomics software
- Ocean Learning (2013) - innovation workshop facilitation for a global media and exhibitions company
- Dovetailed (2013) - UX research and public engagement for wearable technology

Independent product development:
- DNA Disco - fundraising app for the World Wide Fund for Nature (Python, HTML5)
- Food Waste Hero - Internet of Things project for schools (Python, Raspberry Pi)

Sabbatical (July 2012 - May 2013)
A 10-month sabbatical to explore interests in acting, writing, education, entrepreneurship, design, technology and sustainability.

Senior Software Engineer & User Experience Designer, European Bioinformatics Institute (April 2004 - July 2012)
Designed and developed scientific software for cancer research, systems biology and protein sequence analysis:
- Developed the InterProScan 5 protein sequence analysis application using Java EE technologies to maximise performance and leverage distributed computing resources (Java, Spring, Hibernate, JAXB, JMS, JPA, Groovy, Oracle, XML)
- Developed search and data visualisation components for the InterPro website in Java, Spring, JSP, JSTL, Solr, HTML, CSS and JavaScript
- Led the user experience design of the InterPro website to improve the accuracy, speed and satisfaction of scientific and clinical users (user interviews, contextual enquiry, personas, user journeys, heuristic evaluation, wireframes, interactive prototypes, usability testing)
- Undertook usability testing of environmental genomics software
- Developed a text mining pipeline to extract protein-protein interactions for cancer candidate genes from the scientific literature in Java and XML
- Developed a text mining pipeline to identify chemical entities from scientific patents in collaboration with the European Patent Office in Java, XSLT, HTML, CSS and JavaScript
- Evaluated grid computing and supercomputing resources for massively parallel protein sequence analysis to increase calculation speed and throughput
- Co-ordinated the bioinformatics work package of an EU-funded cancer research project, requiring the integration of large distributed data sets with experimental data and biomedical ontologies across 16 organisations in 7 countries
- Facilitated workshops on data integration and web service development for cancer research
- Delivered training in biomedical data sharing, Java design patterns and plant bioinformatics
- Supervised a junior software engineer developing a web application, XML schema and web services to model complex systems biology data sets
- Supervised a Masters student in the development of an Ajax application by guiding interface design and technical architecture
- Developed protein discovery web applications for use in schools and volunteered at Cambridge Science Festival, encouraging school children to learn about molecular biology using EBI resources and activities
- Introduced Scrum and test-driven development to improve team communication and project delivery, and acted as scrum master
- Led recruitment of technical staff
- Wrote web accessibility guidelines and advised on search engine optimisation (SEO)

Senior Developer, Clinical and Biomedical Computing Ltd (February 2002 - April 2004)
- Developed web applications for clinical education, haematology/oncology imaging, and the selection and clinical use of medicines in Java, JSP, PHP, Perl, HTML, CSS, JavaScript, C#, ASP.NET, XSLT, XML, Tomcat, Cocoon, SQL, Oracle and PostgreSQL

- Evaluated ontology management systems for clinical terms (SNOMED CT)

Senior Developer, GlobalNet Financial (March 2000 – January 2002)
- Undertook user research with journalists through interviews, participant observation and contextual enquiry
- Designed and developed a content management system for financial journalism in ColdFusion, HTML, CSS, JavaScript, IIS and SQL Server
- Developed web services for content syndication in Java, Tomcat, XML and XSLT
- Maintained a French-English machine translation system

Software Developer, PA Consulting (December 1997 – March 2000)
- Developed desktop and web applications for finance and administration in Visual Basic, ASP, HTML, CSS, JavaScript, IIS, T-SQL and SQL Server
- Worked onsite in Finland, Denmark and the Czech Republic
- Recruited technical staff and mentored junior developers

Software Developer, Brady Plc (October 1995 – November 1997)
- Developed financial risk analysis applications for derivatives trading in Visual Basic, C, SQL and Oracle
- Provided pre-sales technical support for prospects in France, Spain and the Middle East
- Liaised with French-speaking business partners

Sales and Marketing Executive, Victaulic Industrial Polymers (August 1993 – July 1994)
- Liaised with civil engineering clients in France and Spain
- Provided interpretation and translation services in French and Spanish

Account Management Assistant, Barclays Bank SA - Paris (July 1991 - July 1992)
- Supported British and French corporate clients
- Resolved problems in international funds transfers

SPEAKING ENGAGEMENTS
- Nature Jobs Career Expo
- Intelligent Systems for Molecular Biology (x2)
- UX Cambridge (x2)
- Cambridge Usability Group
- Agile Tour London

PUBLICATIONS
17 publications in genomics and bioinformatics available from
https://www.researchgate.net/profile/Antony_Quinn

EDUCATION
- PGCert Human-Computer Interaction with Ergonomics - University College London (2010-2012)
- CertHE Genetics - University of Cambridge (2003-2006)
- MSc Computer Science - Birkbeck College, University of London (1994-1995)
- BA (Hons) European Economics - Université de Nantes, France (1989-1993)

TRAINING
- Developing Enterprise Java Applications with Spring and Hibernate (Learning Tree International)
- Java Design Patterns (Maximum Solutions)
- Java Specialist Master (Java Specialists)
- Hands-On ProActive Parallel Suite: Bridging Distributed and Multi-Core Computing (ActiveEon)
- Microarray Data Analysis (University of Cambridge)
- Writing and Editing for the Web (Effortmark Ltd)

CERTIFICATION
- Certified Cultural Intelligence (CQ) Facilitator (Cultural Intelligence Center)

VOLUNTEERING
- Listener, Samaritans (March 2011 – August 2011)
- Community First Responder, East Of England Ambulance NHS Trust (February 2007 – January 2011)

INTERESTS
- Teaching and performing improvised theatre
- Learning foreign languages
- Outdoor swimming