

Curriculum Vitae

Contact

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Nationality : British
D.O.B. : 08/04/1975
Permit : C-Permit

Summary

Experienced multi discipline developer with experience of software development at all levels and using multiple systems. Excellent problem solver, self starter, team player, and able to learn new languages and skills as required.

Three years experience of Apple software development gained publishing my own projects for macOS and iOS, using a full range of Apple and third party technologies including writing a comprehensive testing environment. Excellent understanding of Apples human interface, App store review guidelines and general documentation.

Extensive experience in developing GIS software for large utility and telecoms companies, providing core enterprise wide solutions and business critical systems. Working as a team using Scrum and Agile techniques.

Experience

2013 - Present

Personal Project

seriouscyrus.com (iOS and MacOS Software Development)

Sole developer of "The Reality Augmenter", a video projection mapping application for macOS and iOS. Programmed using Objective-C and utilising Apple frameworks such as Cocoa and Cocoa touch, Core data, AVFoundation, OpenGL and OpenGL ES. Incorporating third party frameworks and SDKs such as AFNetworking and the Google Cast SDK using cocoapods. Adding interfaces to online services such as Dropbox using OAuth and JSON. Designed user interfaces with Interface builder and Storyboards. Implemented full testing environment with unit and UI Tests using XCode's testing framework and Server for Mac OS. The project features over 55,000 lines of code.

iOS version is published in the Apple Store, and receives regular updates.

Built websites in Wordpress, including PHP and CSS customisations to templates.

Nov. 2006 – Jul. 2013

Software Engineer

NIS AG, Switzerland (Utilities and Telecommunications GIS software development)

Software and database development, bug diagnosis and fixes, design and implementation of unit tests, design and delivery of database upgrades, customisation of version management for complex merge operations, creating customisations to customer requirements, providing scripts and patches for data fixes and migrations.

Working in a team with Scrum and agile development techniques, using JIRA for task management and planning.

Nov. 2000 – Nov. 2006

Consultant

Realworld Systems, UK (Utilities and Telecommunications consultancy and GIS software development)

Front line customer support, on-site implementation of GE Network Solutions suite of telecommunications resource management software packages. Establishment of client requirements, configuration and customisation of packages to interface with clients existing systems, transfer of clients existing data to GE Network Solutions applications. Design and delivery of training courses to ensure proficient user knowledge. Development, implementation and demonstrations of Realworld components and modules. Project proposals and presentations to existing clients and prospective clients, establishment of pilot projects.

Oct. 1998 – Nov. 2000

GIS Records Administrator

Energis, UK (Telecommunications)

The capture of design and built fibre optic network, design and production of presentation quality plots for major contracts, administration of Smallworld GIS database. Integration between contractors and own systems for efficient and quick capture of network. Manipulation of data through various systems as and when required, to make available data in GIS to all users in and out of the company, including power point presentations, web images, spreadsheets and AutoCAD documents.

Oct. 1995 – Dec. 1997

Assistant Team Leader/QA

DCC, UK (Utilities)

Data capture and Quality Assurance for the EMEB Smallworld GIS Project.

Oct. 1994 – Oct. 1995

Lab Assistant

Mars Electronics, UK (Electronics)

Lab assistant in an electronics testing lab.

Aug. 1993 – Aug. 1994

Temporary Worker

Temporary warehouse, factory, kitchen and administrative work.

Certifications and Skills

Certificates

GE Network Solutions Certificates

Core Smallworld : GE Energy : Oct. 2008
Smallworld PNI : GE Energy : Jun. 2009

German Certificates

Start Deutsch 1 : TELC : April 2015

Courses

GE Network Solutions Courses

Foundation Course
System Administration
Configuration
Magik Programming
Application Development

Software Experience

Magik, GE Smallworld relational and version managed databases, SQL, Object Orientated Software, Xcode, Objective-C, Cocoa, Quartz Composer, Javascript, Core Image, OpenGL, OpenGL ES and OpenGL Shading Language, Springsource, JIRA, Rational Rose, Safe FME, MSOffice, MS-DOS, Windows, Unix, HTML, CSS, PHP, ad-hoc implementation of various languages as required, AutoCAD, Photoshop

Education

Sep. 1986 – Aug. 1993

Forest School Winnersh, Berkshire

'A'Levels; Maths, Physics
GCSEs; 9, including Maths and English

Projects

NIS

NIS Strom (Utilities GIS Software)

As part of NIS AG, much of my work was with NIS Strom, a GIS and asset management system, including development of new features, streamlining, design and implementation of unit tests, design of database upgrades, customisations to client requirements and dealing with client upgrades.

Swisscom PTA (Telecommunications GIS Software)

A major project for PNI, GE's telecommunications GIS and asset management system, as a member of NIS AG, I was involved in software development and customisations to client requirements, and responsible for the maintenance and ongoing development of a data quality analysis tool. Ongoing support was provided by NIS for the data quality tool, and the Geobasis product, a tool for reading and writing to Smallworld across multiple formats. Rational Rose used for task tracking and management.

Realworld Systems

LTN PNI, Lichtenstein (Telecommunications)

Working in partnership with NIS AG, installation and customisation of a PNI system at LTN. Including data migration from existing legacy systems.

Gantel, The Gambia (Telecommunications)

Implementing the PNI Product suite and customisations to enable it to be used in conjunction with a new billing system being implemented by Cerillion. Design of training course and training users in data capture to move from current paper based records.

Syria Telecom Establishment, Syria (Telecommunications)

Installing a pilot project of the PNI Product suite and various Realworld products and customisations. Training users in data capture to enable STE to move from a paper based system to a fully integrated GIS System.

Global Crossing, UK (Telecommunications)

Recovery and upgrade of abandoned Smallworld database to PNI 3.1, followed by migration of FRAMME database to PNI Systems using Safe FME. Installation and configuration of Network Inventory Gateway on secure servers. Migration of Smallworld databases to secured intranet LAN. Configuration of software to work in Citrix environment. First line support.

HNS (Formerly 186k), UK (Telecommunications)

Implementation of complete Smallworld GIS Solution for the company. Work involved requirements gathering, acceptance test design, managing change requests, provision of customisations and database upgrades as required. Installation of database replicas for remote offices. First line support.

Interests

Music, photography, snowboarding, digital media, reactive animation and video manipulation, djing, hobby application development.