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Profile:

A senior analyst, software developer and project manager with over fifteen years commercial experience in database drive business applications.

During the last five years my focus has been on Ruby on Rails, producing websites for the following industries: commercial media cataloguing and delivery (video, audio and images); online training and e-learning; content management systems; content integration websites that scrape data from Amazon; Facebook Graph API integration using both the Javascript and server side SDKs; community based websites where content can be freely edited with full revision tracking and control; custom forum and commenting system implementations; custom Google maps integration with custom tile sets; complex polymorphic object relation modelling with solutions that encompass BOM (Bill of Material modelling) and DAG (Directed Acyclic Graph).

More recently I have been developing Node.js based applications, the most recent a real-time chat application that relays chat messages between a local website, Google Chat and Facebook Chat.

I am adept at source control and change management, specifically using Git (or Subversion for corporate clients), and managing multiple branches of the same product (i.e. development, production, release 1.0 branches).

Technical Expertise:

- **Five years Ruby on Rails** development. Experience with HAML, SASS and Shoulda for unit testing.
- **Six years Javascript**. Versed with Node.js, jQuery, jQuery IO, Prototype and UJS principles.
- **Six years CSS** – recent experience with 960gs and Yahoo's YUI2.
- **Six months Java** Android Mobile development.
- **Fourteen years Delphi** development experience using various client/server database backends, using OO methodology, principles of software reuse, design patterns and agile programming to achieve maintainable and efficient code.
- **Eight years MSSQL** development and DBA experience.
- **Eight years MySQL** development experience.
- **Five years Oracle PL/SQL** development and DBA experience.
- **Five years Interbase 4,5,6** and Firebird 1, 1.5, 2 experience under Win32 and Linux.
- **Five years Linux** administration experience in installing and configuring Apache 1.x, Apache 2.x, Exim 4.x, Postfix 2.x, Bind/Named, NginX, MySQL 4.x/5.x and PHP 4.x in a multi-user server environment. Linux distros: Gentoo, Ubuntu and Debian.

Languages

Ruby
Javascript
Delphi
Java
PHP

Node.js

Socket.io
node-xmlpp

Ruby on Rails

HAML
SASS
SCSS

JavaScript

jQuery
Prototype
UJS

CSS

960gs
YUI2

SDKs

Facebook
Amazon
Android

IDEs

RubyMine
Netbeans
Eclipse
IntelliJ

Linux

Debian
Ubuntu
Gentoo

Linux Services

Apache
NginX
MySQL
Asterisk
Postfix

Major Achievements:

- Senior Ruby/Javascript developer for Diddo, an upcoming social network. Developed Node.js based real-time chat server and client components to enable group chat between Diddo users, GChat and Facebook Chat. Developed Asynchronous based photo and video upload processing backend.
- Designed and Developed <http://mediacms.co.uk>, a Ruby on Rails based application. This application consists of over 50 tables that drive a media (video, audio and photo) based website. Features include: multiple flash based photo uploads, double entry accounting system to track and audit financial transactions, subscriptions, blogs, forums etc...
- Designed and Developed <http://recipetrees.com>, a Ruby on Rails based application. Technologies to note: Facebook Graph API for single sign-on; deeply nested form updates; model based revision control (i.e. all previous revisions are recorded); AJAX based filtering (see <http://recipetrees.com/recipes>). Application coded in seven weeks.
- <http://simplepop.biz> - a Ruby on Rails product site - one week to code. Integrates with Paypal for payment processing via IPN.
- <http://yapt.net> - powers an Android voice messaging application that enables Android users to send short voice messages to each other. Includes an efficient Push notification mechanism (currently supports 3,000 concurrent and persistent connections using about 30mb of memory) - site, plus push notification service plus Android application took 9 weeks to code.
- <http://thelastbunker.com> – Ruby on Rails. Developed a custom algorithm that renders a Bill of Materials in two database trips for any item build (a good example is <http://thelastbunker.com/items/500>) - coded in 6 weeks.
- <http://darkfallsage.com> – Ruby on Rails. A community driven site that interlinks many game objects with full revision control. Also includes a custom Google Map implementation (see <http://darkfallsage.com/maps>) - coded in 8 weeks
- Designed and developed ProcSys, an Enterprise Resource Planning System. ProcSys manages an engineering project from budgeting, through to requisitioning, vendor bidding, purchase order printing, GRN, Quality Control, Document Control and finally through to vendor invoice reconciliation. Employs sophisticated workflow mechanism. Size: 160,000 Lines of Code (700 forms), Delphi 5. Developed over three years.
- Designed and developed SimplePop, a multi-user purchase ordering system which uses Firebird. Please visit simplepop.biz for details. Size : 25,000 Lines of code, Delphi 4. Developed in six months.
- Designed and developed Debtpro, a multi-user Interbase based credit management system aimed at mass debt collection service centres. Size : 35,000 Lines of code, Delphi 2. Developed in nine months.
- Designed and developed xProject, a PHP Open Source software development tracking and management application. xProject interfaces with the Subversion source control application to provide a web based Source Control Management Solution. PHP4, mySQL.

Experience:

2001 – Present : **Panther Software Publishing Limited.**

Managing Director / IT Consultant.

Panther Software Publishing is a software development company delivering bespoke Client/Server software solutions. Our clients include:

Diddo

Developed alpha site for investors. Developed real-time Node.js based chat application.

iSOFT PLC, 5 contract renewals

Provide guidance and procedures on updating current source control, documentation and project management procedures. Develop interface applications that process HL7 messages for various health care applications deployed in NHS Trusts.

Northgate Information Solutions, 3 contract renewals

Updated Maxim3 to comply with SAP2005 BRE specifications that come into effect in April 2006. Maxim3 is a commercial tool used by building surveyors and contractors to assess dwelling energy requirements for efficiency reporting.

Axia Serck Baker, 20 contract renewals

Long term outsourcing project with Axia Serck Baker in which all of their in-house MSSQL Client Server applications, dealing with procurement, document control, accounting and budget management were integrated into two enterprise level applications, with centralised software distribution, security and access control.

1998 – 2001 : Interserve (formerly know as Building & Property Limited).

Senior Analyst Programmer reporting to the IT Director.

- Maintaining day to day running of CFACS, an oracle 7.x based financial accounting system, in reporting and generating queries for the Financial Department and Regional Finance Director.
- Design and development of a multi-tiered application using Delphi 3 in importing data from over 100 remote sites for integration into CFACS.

1997 – 1998 : **Millennium Credit Software Limited**

IT Director

- Specification, design and implementation of DebtPRO, a comprehensive package dealing in automated mass debt recovery for financial related industries, using Delphi 2.0 Client/Server with interface to Interbase and Oracle 7.x RDBMS.

1996 – 1997 : Oman Information Technology Company (OITC)

Head of Insurance Software Development reporting to the General Manager.

- Acted as the Project Leader for the development and maintenance of Insurance 2000 Plus, a leading comprehensive insurance package in the Middle East using Developer/2000.

Qualifications:

B.Sc. In Computer Science from the University of Hull in 1995.

Personal Details:

Date of Birth: 31st of March, 1970.

Marital Status: Married.