

Michael Beastall

Personal Details

Name: Michael J. Beastall Residence: Surrey
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DOB: 28/04/1988

Education

University of Birmingham BSc Computer Science 09/2006 – 06/2009
Graduated with a 2:1 with Honours

Dissertation: Written in Java, I developed a system to analyse the stock market using unsupervised machine learning and data mining techniques

Modules Studied:

- Machine Learning, AI, Data-mining
- C++, Java, Prolog, Assembly
- Databases (design and implementation)
- Distributed Systems and Networking
- Natural Computation, Neural Networking and Evolutionary Computing
- Development cycle Methodologies

Chatham Grammar School For Boys A Levels 09/2004 – 06/2006
Mathematics – B Physics – B Further Mathematics – C

Technical Skills

Solid and proven understanding in OO, inheritance, generics, multi-threading, Events, Software Design principles, SOA and Technical writing.

- Programming proficiency in C# .net, Java, C/C++, Javascript, HTML, SQL
- MVC, Winforms, Webforms, WPF, Compact Framework, Web Services, LINQ
- Device integration including USB, Bluetooth, GPS, Interoperability, Driver development
- MySQL and Microsoft SQL Server
- Android development; SQLite, Content Providers, Services

Work Experience

11/2013 – Present | Self-Employed | Software Engineer | Hampshire, UK

DayPlanner Android App

- Design and implementation of daily task list app.
- Java, Jodatime, SQLite, Content Providers and Intent Services.
- Responsibility for software architecture and feature implementation, adhering to Android best-practices.
- Agile development using SCRUM, utilising JIRA as management tool.

NHS Lecture Website

- Design and implementation of website to manage first and second year doctor training.
- PHP, CakePHP, MySQL, JQuery.
- Responsibility for feature implementation, following CakePHP MVC design principles.
- Full CMS for adding users, roles, managing lectures and training for curriculum topics.
- Basic reporting functionality using Google Charts.

02/2013 – 11/2013 | Lockheed Martin | Software Engineer | Hampshire, UK

Financial Reporting and Statistics Tool

- Business critical financial tool used on a daily basis across the company by managers and executives. Used to manage estimated and real budgets for projects and for generating reports.
- C#, Javascript, Webforms, MVC, WCF, SQLServer.
- Maintenance of existing legacy code base as well as development of new features.
- Responsibility for user interface and software design.
- Managed legacy code in C# webforms, and new development in MVC using WCF web services.
- Document heavy agile methodology with aspects of SCRUM.
- Worked closely with stakeholders and clients for continual feedback.
- Responsibility for training users on new features and changes.

Geofencing Application

- 'Greenfield' prototype web application displaying data on an OpenLayers map.
- Information saved and fetched using AJAX and Mule ESB.
- Responsibility for map functionality and user interface integration with OpenLayers.
- Worked as part of a team of developers with varying levels of experience.
- Agile SCRUM methodology with Rapid Prototyping.

07/2010 – 02/2013 | Halse Imaging Systems | Software Developer | Surrey, UK

Rover

- 'Greenfield' Windows Mobile 6.5 application connecting 'on-the-field' photographers to their back-end image rendering system for ultra-fast publication.
- Allows for pairing of metadata with images, obtained via RFID using third party RFID scanner.
- Currently in use at Vail Resorts (www.epicmix.com) and on a number of Disney Cruise Line ships.
- C#, C++, Interoperability, Windows Mobile, WCF, Compact Framework.
- Full responsibility for software architecture and implementation.
- Developed USB communications (over PTP/MTP) from mobile device to DSLR camera using proprietary C++ library.
- Developed Bluetooth communications using MS bluetooth stack from mobile device to third party RFID scanner and GPS device.
- Developed Communication with back-end WCF services over WIFI when available.

Render Engine

- 'Greenfield' development of new rendering engine to replace legacy system.
- Image resizing, rotation, automated colour correction, logo/templating along with other functionality.
- Currently in use at Vail Resorts as well as by a multitude of cruise ship companies as a part of their back-end image processing.
- C#, ImageGear, Win Services, SQL Server
- Full responsibility for software architecture and implementation.
- Developed algorithm for most efficient rendering of images.
- Managed integration with legacy systems as well as developing a new API for new SOA based system.
- Agile SCRUM development with a focus on TDD

11/2009 – 07/2010 | ASD IT Ltd. | Software Engineer | Bukit Batok, Singapore

- Website and application development with C# webforms, PHP, HTML, Javascript, CSS and SQL
- On-site technical support for multitude of clients, installing and maintaining servers and desktops on a software and hardware level

References

Dr M. Escardó (University Supervisor):

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