

Michael Gray

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about.me/sirmikey

Accomplished and Versatile Product Engineer

Statement

A seasoned, thoughtful and multifaceted developer with an enthusiastic, can-do attitude and a proven record in end-to-end development. Whilst well-versed in software engineering practices across a myriad of technologies and platforms, also boasts complimentary experience in product management, system analysis and DevOps practices in infrastructure.

Following a difficult 18 months, motivated to return to employment with an understanding and supportive employer and demonstrate a driven and committed mentality, proving himself as an asset.

Skills

- Extensive experience scoping, designing and developing full-stack solutions for web, mobile and desktop software utilising a breath of languages, libraries, platforms and tools
- Confident managing both clients and teams whilst ensuring effective communication, robust product design and project quality
- Accustomed to working with agile methodologies, practicing TDD and DevOps principles
- Quick to learn new skills and adjust to new environments whilst adapting to uncertain circumstances or requirements
- Practiced delivering high profile, time sensitive projects to cross-functional teams and demanding stakeholders

Experience

Product Engineer, Passio Ltd

May 2019 – March 2020

- Responsible for designing, developing, deploying and maintaining a variety of web and mobile applications for Passio's diverse client base
- Employed co-design principles and product management tools to engage clients, better capture requirements and build confidence in project direction and design
- Led the implementation of a company wide continuous deployment architecture and automated testing strategy, allowing rapid client feedback and production-like testing
- Utilised a plethora of technologies, frameworks, tools and libraries, including JS, React, Laravel, PHP, React Native, Kotlin and Bash Scripting

Digital Brand Developer, AtoZ Catering Consultancy

August 2017 – April 2018

- Responsible for establishing and managing business communication and technical infrastructure
- Designed and formulated the brand portfolio for digital and print media
- Built consumer facing website using front-end technologies HTML5, JS, CSS3 and libraries

Software Engineer, iDesign Dundee

June 2016 – September 2016

- Working within an agile split-site team, developed and maintained C#.NET and C++ systems for managing and delivering interactive content to thousands of consumer endpoints
- Designed and implemented, using a TDD approach, new functionality for the "joono" product along with accompanying NUnit test suites and documentation
- Leveraged a range of system and service knowledge to produce elegant, robust solutions to problematic bugs and bottlenecks

Website Developer, Volunteer Edinburgh

January 2016 – June 2016

- Instrumental in design and development for new website and associated management system
- Solidified new system architecture with interoperable CMS and bespoke database system
- Designed and delivered working prototype using a LAMP stack

Product Manager, Skyscanner Ltd

December 2012 – March 2015

- Responsible for product management within the R&D stream, researching, shaping, testing and delivering high profile product definitions and detailed technical specifications
- Worked closely with engineering teams to successfully realise the product vision for a number of projects including B2B data tools, user login/CRM, abstracted pricing system and others
- Developed product strategy, maintained roadmaps, prioritise work in line with business objectives and insured effective communication flow and collaboration across functional areas
- Absorbed a number of project management responsibilities and kindled effective team growth

Software Engineer (R&D), Skyscanner Ltd

September 2012 – December 2012

- Utilising domain knowledge independently researched, analysed and documented on a wide range of potential new products, services and business requirements using collaboration tools and reporting systems to make informed statements
- Applying agile techniques defined solutions and built spikes/prototypes to determine concept viability, analysed results and formally presented findings to the wider company
- Used tools like the Entity Framework and processes like BDD to streamline development and ensured a successful handover to engineering teams by acting as consultant during inception

Web Developer (Consumer Engineering), Skyscanner Ltd

November 2011 – August 2012

- Senior member of the web tier team, leading predominantly .NET projects to design and implement new website functionality and business tools whilst shaping domain architecture and business logic
- By employing agile development practices and TDD, instrumental in delivering a plethora of projects including a system wide product re-branding, redesigned search results interface, an in-house data gathering and visualisation suite and an international external monitoring system
- Maintained SOLID principles and development best practices with frameworks such as Castle Windsor, NUnit, OpenRasta and technologies like Rabbit MQ, MemBase and MSSQL

Web Developer (Operations), Skyscanner Ltd

July 2010 – November 2011

- Applied DevOps practices to maintain, develop, deploy and support Skyscanner's web layer

- Responsible for developing new presentation logic as well debugging the YUI based client side and C#.NET server codebase whilst ensuring stability through analytics and monitoring
- Ensured successful deployment of release ready code across web server cluster employing tools like CruiseControl.net, TeamCity, SVN and Fogbugz
- Completed project work including redevelopment of the URI routing and generation platform

Analyst Developer, The Scottish Parliament

July 2009 – May 2010

- Responsible for end to end development and delivery of bespoke web applications using VB/ASP.NET with supporting SOAP web services and MSSQL databases
- Led development for the Parliament's business continuity document system
- Adapted TFS from source control to documentation and customer relationship system, closely linking code, acceptance testing, delivery and support

Freelance Web Developer, Button Design

November 2008 – June 2009

- Freelance end-to-end web and application development using a variety of platforms and technologies for a diverse client base

Computing Officer, University of Edinburgh (Medicine and Veterinary College)

July 2006 – September 2008

- Managed and supported IT infrastructure and operation whilst developing bespoke in house web applications and services

Education

University of Durham - Computer Science BSc HONS, Software Engineering

September 2000 – May 2005

Object-Oriented Programming, Programming Technique, Software Engineering Method, HCI, Hardware, 3D/2D Graphics, Operating Systems, Databases, Project Management, Web Services

Madras College, St. Andrews

August 1994 – May 2000

SYS Pure Maths (A), SYS General Maths (A), Higher Maths (A), Higher English (A), Higher Physics (A), Higher Chemistry (A), Higher Computer Science (B), Higher Biology (B)

Recognition

- Team Lead for the winning entry to the Skyscanner Hackaday Competition
- Winner of 3 Skyscanner "Sky High" Awards for an "over-and-above contribution"
- Grey College Honorary Life Membership and Grey College Colours
- BT Award for Best Software Engineering Group Project
- St. Andrews Police award for "outstanding service to the community"
- Madras College Knife Award for Mathematics

References and further details available on request