Nikolas Medgyesy

Software Developer

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About Me

I am a software developer with a wide variety of experiences in IT, including mobile, web, server-side, solutions and UX design.

I am very passionate about great software and design, and also the beauty of well-written code. I love discovering new frameworks which provide elegant methods or syntactic sugar to simplify my code or architecture.

I have a proven history of learning new technologies and frameworks extremely quickly, which I attribute to having a strong foundation in object-orientated programming.

At University I received my first formal experience of programming using python to develop software for biological applications and have since pursued this interest to build my career.

Skills

Overview

- Object Orientated Programming
- Full stack
- Git/Source Control
- Agile/Scrum
- RESTful APIs
- MVC
- ORM
- AWS
- Unit Testing

Languages

Swift - Objective-C - C# - Java - JavaScript - Bash - SQL - Python - Perl

Experience

Software Developer — Catalina Software
April 2018 - Present

- Mobile developer for iOS applications; FreedomGo (customer journey booker) and Freedom.Mobile (driver companion app)
- Responsible for iOS product development, maintenance and deployment to iTunes
- Designed an interactive prototype on the proto.io platform for a new UX/UI for the FreedomGo product
- Solutioned a collection of microservice RESTful API's and implemented using .NET Core, ASP, Swagger and NHibernate to decompose the existing SOAP monolith.
- Implemented the redesigned FreedomGo for iOS using Swift and integrating the new RESTful endpoints
- Supervised the same implementation of FreedomGo on Android

Senior Software Developer — Companies House
July 2017 - Dec 2017

- Senior developer on the SCRS project adding new functionality to the Companies House company registration platform
- Created bespoke bash scripts for easier deployment
- Liaised with HMRC and stakeholders with updates on the project and progress demos

Solutions Architect — Barclays Mobile Banking
Dec 2016 - June 2017

- Developed intimate knowledge of the strategic architectural patterns for digital channels
- Liaised with product owners, compliance, legal, security and service support to gather requirements to build into the designs
- Worked closely with UX/UI designers and app/gateway developers to develop solutions that reuse existing functionality/infrastructure whilst fulfilling business requirements
- Continuous support of a feature throughout the design and build stages to reflect the architectural vision, and producing clear documentation
- Peer review of other team members solutions and providing feedback to fully explore impacts and risks

Technical Integration Specialist — NHS (South West Yorkshire Partnership)
Dec 2015 - Aug 2016

- Demonstrated the functionalities of the clinical portal to healthcare professionals within the trust and retrieved feedback for future development
- Developed insight into the architecture and technology stacks associated with the clinical portal, which was developed primarily on the Sencha EXT JS framework and used the integration engine as an adapter to the datasources
- Involved in delegating trust virtual server resources to Qvera and the clinical portal for the dev, test and live environments

Education

Biochemistry BSc (Hons.) 2:1 — University of Sheffield
Sep 2010 - June 2015

Relevant modules:
- Molecular Systems and Computing Project
- Biochemical Data Handling

A-Levels — The Millennium Centre
Sep 2008 - July 2010

Physics - A   Biology - B   Chemistry - B   Mathematics - C