Ferenc Schultesz

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Work Experience

Senior Developer / Team Leader   **October 2018 – present**

Smartr365

Responsibilities

- Implement integrations between Smartr365 mortgage processing system and third-party service providers such as Stripe payment system or ULS Technology
- Contribute to and clearance of backlog items, including refactoring existing code, bug fixes and improving unit tests.
- Guide team development efforts towards successful project delivery.
- Provide technical leadership to teammates through coaching and mentorship.
- Participate in peer-reviews of solution designs and related code.

Technologies

- ASP .NET MVC & WebAPI, Nunit
- MS SQL
- Azure

Lead Developer   **March 2018 – October 2018**

London Borough of Hackney (Local Authority)

Responsibilities

- To design, create and document new and amended software components. Act as mentor to developers, junior developers and apprentice developers.
- Focus on user needs and deliver fit for purpose systems, ensuring high standards of access, availability, usability, usefulness and performance.
- Collaborate across the organisation and ICT teams, encourage creative approaches to solution delivery.
- Plan, implement, test and deploy projects and solutions. Manage changes to existing solutions and support technical issues where development assistance is required.
- Evaluate and review programming methods and tools. Contribute to best practice guidelines and standards.
- Align work package skills requirements with resources. Allocate and monitor delivery progress.

Software Developer   **September 2015 – February 2018**

London Borough of Hackney (Local Authority)

Responsibilities

- Worked within the Development Team, designing and delivering large and / or complex programs. Responsibilities extended to program modifications and enhancements.
- Planed, designed and conducted testing and error correction.
- Produced documentation that adhered to required standards.
- Collaborated with other members of ICT, in particular, database administrators, infrastructure personnel and support teams.

Technologies

- ASP .NET and Flask web applications, .NET Core WebAPI and Windows console applications, Xunit
- MS SQL
- Team Foundation Server, GitHub
- Html, CSS, jQuery
- Heroku, Microsoft IIS

Scholarships & Research

Wellcome Trust Biomedical Vacation Scholarship (Fully Funded Research)   **2016**

Pattern Classification of Single Nucleotide Polymorphisms in gene sequence variations of patients with Alzheimer's disease.

Technologies:

- Feature selection
- Support vector machine, Decision tree, Random forest, Genetic algorithm
- Matlab

Projects

RESTful APIs   **2017-2019**

In London Borough of Hackney and at Smartr365 I have been working on several WebAPIs developed with Microsoft technology stack. The APIs are integrating with web services and other APIs and all are following TDD principles.

Technologies

- Asp .Net MVC, .Net Core
- MsSQL
- nUnit, xUnit
- Azure
- Swagger, RAML

Spotter, the Virtual Dermatology Assistant   **2017/18**

Developed an application that uses Computer Vision to differentiate between melanoma and nevus by using a model based convolutional neural network with a reasonably high accuracy.

Technologies

- OpenCV, Tensorflow, Convolutional Deep Neural Network
- Flask
- Python

Yokho's Adventure   **2017**

Developed a third-person role playing game. Focussed on game design elements (mechanics, logic, AI etc.) and was awarded the highest given mark for the Advanced Games module to date.

Technologies

- OpenGL, Windows API
- Finite state machine
- C++

Education

City, University of London   2014 – 2018

BSc Computer Science with Games Technology

Grade: 1st class (78%)

Szinergia Business School   2009 – 2011

Grade: Tourism assistant manager 86%

Grade: Travel administrator 85.4%

Kanizsay Dorottya High School   1999 – 2004

Mathematics (A Level)   Grade: A

Information Technology (A Level)   Grade: B

English (A Level)   Grade: A