Arthur Demanuele MSc. CompSci

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Skills

Languages	Technologies/Platforms	Software Practices
Swift PROFICIENT	iOS PROFICIENT	TDD PROFICIENT
C# PROFICIENT	Xamarin PROFICIENT	Architecture PROFICIENT
Objective-C INTERMEDIATE	Flutter INTERMEDIATE	Clean Code PROFICIENT
Javascript NOVICE	ASP.NET Core NOVICE	SOLID Principles INTERMEDIATE
Dart NOVICE	React JS NOVICE	Agile INTERMEDIATE

Experience

Senior Software Engineer
mkodo Ltd.
Newcastle, UK / Malta
2016-present (~5 years)

- Work on numerous frontend mobile projects in native iOS (Swift and Objective-C), Xamarin and Xamarin.Forms (C#).
- iOS Development Lead for large multi-year project.
- Extensive use and training of TDD, BDD, clean coding, agile development and legacy code maintenance techniques.
- Development of mobile augmented reality application.
- Jenkins CI script development and maintenance.
- Conduct interviews for potential new hires.
- Tutoring of junior developers through pair programming.
- Carry out consultations with clients regarding product development as well as demos of software.

Graduate Developer
KPMG Crimsonwing
Malta
2014-2015 (~1.5 years)

- Development of a Windows UWP application using Cordova/PhoneGap in Javascript, CSS and HTML.
- Development of backend server for mobile application interfacing with Microsoft GP, using ASP.NET and Entity Framework.

Junior Programmer
GO p.l.c.
Malta
2013 (~3 months)

- Summer placement position during university.
- Development of Java command line utility, interfacing with Microsoft Sharepoint and exporting data to CSV format.

Sales Representative
Scan Computers
Malta
2010-2011 (~10 months)

- Assist clients and handle sale transactions when purchasing computer equipment and accessories.

Personal Projects

- Development of a number of IDE extensions for Visual Studio for Mac (open source on GitHub).
- Development of personal tools and apps in spare time.
- Hobby electronics projects using Raspberry Pi and Arduino.

References and recommendations available.

Training Courses

Reducing Technical Debt with Michael C. Feathers
Skills Matters, London UK
2018

A 2 day course covering techniques for effectively dealing with legacy code including how to test, clean and maintain untested code.

Xamarin Training for Mobile App Development Professionals
Microsoft HQ, Reading UK
2017

A 5 day training course offered by Microsoft covering every aspect of Xamarin native and Xamarin.Forms development. Covering techniques and best practices when building mobile applications across different platforms using a shared codebase.

Education

MSc. Advanced Computer Science (Distinction)
Newcastle University, UK
2015-2016 (1 year)

Dissertation:

Gesture-Based Authentication using Kinect for Payment Systems

Relevant Modules:

- System Security
- Distributed Algorithms
- System Design
- Cloud Computing
- Object Oriented Programming
- Human Factors Engineering

BSc. (Hons) Computer Science & Artificial Intelligence (2:2)
University of Malta, Malta
2011-2014 (3 years)

Dissertation:

Real-time Visualization of Heat Shimmering and Mirage

Relevant Modules:

- Data Structures & Algorithms
- Software Engineering
- Computer Networks
- Systems Programming
- Fundamentals of Software Testing
- Internet Technologies

Thank you for your consideration