

# Sergios Stamatis

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## Objective

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To complete my Master's Degree in Game Development and become part of the game development industry.

## Programming experience

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- Programming: C [DBMS implementation, UNIX system calls (implementation of a shell), IPC communication (using shared memory, semaphores), Network programming (implementation of a music server)].
- Object-oriented programming: C++ (Ferry boat simulation), good understanding of object-oriented concepts. inheritance, polymorphism, encapsulation.
- Assembly: MIPS, PicoBlaze (implementation of Mastermind on Xilinx Spartan-3 FPGA), x86 (debugging to find buffer overflow exploits for computer security class).
- DB: Oracle, SQL, MySQL, PostgreSQL, PostGIS.
- Parallel Programming: MPI (implementation of Cannon's algorithm for matrix multiplication).
- Digital Systems Design: Xilinx ISE (implemented a MIPS processor with a subset of MIPS's commands), ModelSim XE (used for debugging various components), VHDL (implemented a FSM with serial communication to PC, PicoBlaze integration).
- Integrated Circuit Design: SPICE, Magic.
- Java [(implementation of an online e-commerce store), Android application development].
- Version control using Git and [www.github.com](http://www.github.com) including setting up repository, branching, merging.
- Other: Python (Django Web framework experience), Scala, PHP, HTML, JavaScript, CSS. Barely touched: Ruby, Io.

## Languages

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- Greek: Speak and write (first language)
- English: Speak and write (second language)

## Education

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**Ptychio/Bachelor degree**, 2011. Dissertation Title "**Creating personalized maps using GeoNode**" for which I received **10 out of 10** (Excellent), Advisor: Alex Delis (Professor).

National and Kapodestrian University of Athens

*Overall GPA*: 7.6 out of 10 (Very Good)

- Informatics and Telecommunications.

**Apolytirio (High School Diploma)**, 2005

Agiou Georgiou Lakatamias Lyceum, Nicosia, Cyprus

*Overall GPA*: 19 5/12 out of 20 (Excellent)

- Science.

## IGCSE

- English (B).

## GCSE

- Turkish (B).

## Employment History

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### **Software Developer**

*ITena Solutions Ltd*

*February 2012–August 2016*

#### *Projects:*

- Current: VB6 - Developed new modules and maintained existing modules to meet our customers various needs. The modules were created in our main application called (ITena Application Host) which is a platform that fulfills the accounting and insurance needs of many insurance companies that we cooperate with.
- Current: Oracle - Developed and maintained many database tables and stored procedures used in the (ITena Application Host) to carry various tasks that have to deal with mission critical components.
- Current: Crystal Reports - Developed and maintained many reports that were required by our customers to successfully review and make correct decisions about their current status.
- VB .NET - Maintained and developed new modules for a software used by agents of a firm located in Cyprus that has many shops that are used to transfer money worldwide.
- iOS (iPad) - Developed a journal application (baby-book) to help parents store the life events of their newly born children.
- iOS (iPad) - Developed an application (CareLove) to enable parents schedule FaceTime (VoIP) calls with doulas (labour coaches).
- iOS (iPhone) - Developed an application (HandyCal) to help customers schedule appointments with providers of services (e.g. electricians, plumbers etc.).
- Android - Ported the appointment scheduling application (HandyCal) from iOS.
- ASP.Net, HTML, CSS - Implemented the websites to fulfill the requirements of CareLove and HandyCal.
- For the CareLove and HandyCal projects did extensive consumption of JSON REST Web Services. Also used pgAdmin (a PostgreSQL database administration tool) when testing to verify the server side was working correctly.
- iOS development was done in Xcode, Android development was done in Eclipse and ASP.Net development was done in Visual Studio 2010.
- Implemented JCC credit card payment integration on an ASP.NET website which was added to require users to pay an amount before proceeding to the next step.
- Implemented JCC SEPA (flat file) integration to allow user to request SEPA transactions and receive their relevant responses(accepted/rejected). For this project I created also a flat file to XML file converter to accommodate with JCC policy updates.
- Created an application for Limassol municipality that used a GSM moded to send and receive SMS messages in order to control and check the status of bollards located in various locations in the center of Limassol. These bollards can be raised or lowered in order to control car access to specific roads/pavements.
- Data migration and porting of an existing system that used Cobol Data Files as a database and a command line interface, to ITena's system. ITena's system uses Oracle

as a database and a VB6 application as the client. This client application is currently being ported to VB .NET.

### **Software Developer**

*Green Dot(Cyprus) Public Co. Ltd*

*February 2016–May 2016*

#### *Projects:*

- Recycling Game- Developed an interactive game using Processing, OpenCV, Kinect. The setup includes a projector and a kinect camera that is placed on the center of the ceiling of the room and points downwards. The player holds a broom that has infrared leds which are detected from the kinect to determine the player's position. Actual game is projected on the floor and the player is required to mop the trash or recyclable materials that appear, in the correct trash or recycling bins.

### **Cashier**

*OPAP Glory Ltd*

*2005–2011*

#### *Projects:*

- Cashier- Summer job as a cashier at a bookmaker shop.

### **Volunteer at the 1st Nicosia Marathon**

*Ktorides Foundation*

*4 October 2010–10 October 2010*

## **Artistic skills and competences**

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- Playing guitar, bass, piano.
- Amateur sound engineer (recording, mixing etc).
- Electronics enthusiast (made some DIY guitar effects pedals).
- Dancing latin.
- During the school years: member of the computer club and the glee club.

## **References**

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Available upon request.

Last modified September 2016.