

NIKOLAOS MARKOPOULOS MSc, BEng

SOFTWARE DEVELOPER / ELECTRONIC ENGINEER

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Personal Details

Father's Name:	Georgios
Birth Place:	Athens, Greece
Birth Date:	26 th of May 1973
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Citizenship:	Greek
Marital Status:	Single
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Education

MASTER OF SCIENCE REAL-TIME ELECTRONIC SYSTEMS UNIVERSITY OF BRADFORD, UK 1995-1996	<u>Degree</u> : First Class (70-100%) <u>Dissertation</u> : PCI Audio Acquisition Card. <u>Main Subjects</u> : Software Engineering, Signals and Systems Theory, Systems Programming, Hardware Systems Design, Real-Time Digital Signal Processing, Concurrent and Parallel Systems, Imaging and IP Systems, Real-Time Systems Software, Measurement and Control.
BACHELOR OF ENGINEERING ELECTRONICS, COMMUNICATIONS AND COMPUTER ENGINEERING UNIVERSITY OF BRADFORD, UK 1992-1995	<u>Degree</u> : 2-1 (60-70%) <u>Dissertation</u> : Graphical Display of Flow Graphs with Object Oriented Techniques. <u>Main Subjects</u> : Software Engineering, Digital Processes, Electromagnetics and Waves, Data Structures, Telecommunications, Power Systems and Machines, Control, Reliability Engineering, Broadcasting and Mobile Communications, Satellite Communications and Telecommunication Networks, Optical Fiber Systems, Cryptography and Computer Security, EMC and Tolerance Design.
FOUNDATION YEAR ATHENS 1991-1992	Foundation year preparation for exams for the University of Bradford in Athens.

Work Experience

FREELANCER SOFTWARE DEVELOPER

SELF EMPLOYEED
2012 - present

Highlight Projects:

- Application Store for Magic Carpet applications for Sensory Guru Ltd, UK (Remote Development work in PHP, MySQL, Python)
- Complete Showroom Management System, plus Centrally Controlled Remote Media player and Showroom Vignettes display application for Jiun Ho Inc, USA (Remote Development work in PHP, MySQL & Cordova for Android & iOS)
- Android Application and API for Gate Control Management System Accesstrac for Partnersec AB, Sweden (Remote Development work in PHP, MySQL & Cordova for Android)
- Complete Company Management System for Sloan Miyasato Inc, USA (Remote Development work in PHP, MySQL & Cordova for Android & iOS)
- Complete Company Management System for Jiun Ho Inc, USA. Involves Customer Queries and Orders, API Payments, Vendor Management, Production Management, Purchase Orders and Accounting. (Remote Development work in PHP, MySQL)
- Inventory, Quotes and Orders Management System for Sensory Guru Ltd, UK (Remote Development work in PHP, MySQL)
- Android Application for Swedish Police for Partnersec AB, Sweden (Remote Development work in Cordova with NFC)
- PHP Access Control Installations, Development and Support for Partnersec AB, Sweden ((Remote Development work in PHP, MySQL, MS SQL Server, Zend Framework)
- Warehouse administration system. Remote development work for Keymas Ltd, UK
- Sensory Administration System for Games Console development and Application Store. Remote development work for Sensory Guru Ltd, UK (Remote Development work in Python, PHP, MySQL)
- MyArtSoftware development – a system for art collection management, Greece (in PHP, MySQL)

- Deal site system for Specialdeal.gr with custom theming and management system in Codeigniter Framework
- Fixed Assets Registry Application for a Maritime Company, Greece (in Codeigniter Framework)
- System for collecting articles and automated publication to Wordpress and Joomla (in PHP, CouchDB & Codeigniter)
- System for Vessel reporting and management for a Maritime Company in Codeigniter Framework, Greece (in PHP, MySQL)

FOUNDER & MANAGING DIRECTOR

METAGNOSI SOFTWARE E.E.
2007-2012

Some company projects are:

- MetaParking Car Park Application (Application for full management of car entry and exit in a car park. The design and software involves Entry Terminals controlling barriers, Exit Terminals controlling barriers, an ANPR System for Number Plate Recognition, Automated Teller Machines for payment)
- Vessel Waste Administrator (The Application monitors waste management for sea ports by keeping records of activities, charges and other information. Built in PHP using ORACLE database.)
- Voyage Estimator (A system developed for calculating the cost and profit of chartering vessels with speed and precision. Built in Delphi 2005 and MySQL.)
- Public Requests Management (An application for recording and processing passenger requests and complaints for public transport authorities. Built in PHP and the Oracle Database.)
- Technical Support for Organization for Mediation and Arbitration and Consulting.
- KOHA deployment and development for libraries
- Portals for several Organizations and Companies

FREELANCER SOFTWARE DEVELOPER

SELF EMPLOYEED
2004-2007

Highlight Projects:

- Visitor Management System (for Atermon Systems S.A.)
- Time Attendance Application using SQL Server (for Atermon Systems S.A.)
- Fax Server Development and Configuration (Fax Server)

- Weighting system for Industrial Application – Software and hardware integration
- Personnel Management Application for Hospitals (Computer Solutions A.B.E.E.)
- Payroll Application for Hospitals (Computer Solutions A.B.E.E.)
- Admitted Patient Medical History System for Hospitals (Computer Solutions A.B.E.E.)

LAFARGE BETON ABEE
IT PROJECT MANAGER
2002-2004

Main Achievements:

- In charge of the functional specifications, translation and related changes for adapting the French concrete production system BC-MIX to Greek law and accounting standards.
- In charge of the installation of the BC-MIX system to all company production units. Work involved analyzing needs, making plans and doing on site installation and inspections in terms of electrical and mechanical assets and automation systems and also software calibration. The project was finished successfully.
- Management and new development for the in-house applications for warehouse control and invoicing. Management of the remote data collection for Greece wide peripheral production units. (Delphi 6 using Interbase and Oracle)
- Administration and support for the Lotus Domino system, antivirus and domain management.

ATTIKO METRO S.A.
SYSTEMS ANALYST & SYSTEMS DEVELOPER
2000-2002

Highlight Projects:

- In charge of organisation, design and development of the company-wide Intranet Web Site as well as the updates and further development of the Internet Web Site.
- In charge of the security of databases (ORACLE, SQL Server) and the internet & intranet network.
- Development of intranet application in PHP, ORACLE & IIS Web Server for the organisation and administration of the company HelpDesk calls and technical support.
- In charge of the company's computer asset management system and the organisation of assets. Design and Development of special application for asset management and the system to

collect information about company software and hardware.

- Installation and Administration of the Antivirus Software E-Policy Orchestrator from McAfee and customisations for its inclusion in the company's asset management system.
- Organisation and writing of the company's Standard Operating Procedures (SOPs) regarding the Information and Communications Department.
- Organisation, Tuning and Installation of Linux Router solutions (Coyote Linux Servers) for the expansion of the Attiko Metro network and the connection to all work sites in Attica.

AMPER S.A.
ELECTRONIC ENGINEER & DEVELOPER
1998-2000

Highlight Projects:

- Project Leader in Analysis and Design of ORACLE Database for data acquisition of the company SCADA system for the project of automation of the water treatment plants of the Athens Water Company - Design and Implementation of the WAN Network for the same project using Cisco Routers and the LAN network for every control center using Leased Line Modems and Radio Modems.
- Project management and partial implementation of the European Commission Project BUILTECH on Building Management Systems. The project involved the design of a PLC and the development of RS-485 and RS232 interfaces with customised protocols for communication with a LonWorks network and a dedicated smart card reader.
- Software Development for the project of the automation of the Coal Mines in Kozani. The project involved real-time programming and TCP/IP Communications with the PLC Automation for data acquisition and evaluation. The program was written in Borland Delphi (Client Server) with a Borland Interbase SQL Database. The information was transferred to the National Power Company Offices in Athens using the company's WAN.
- Project of Power Distribution for the National Power Company in 6 cities. SCADA Design for the supervision of the power distribution.

MILITARY SERVICE

GREEK NAVY
1997 - 1998

- Initial Design of the LAN for the Salamina Technical Department and development of two programs in MS Access.
- Analysis and Implementation of two programs in Visual Basic 5.0 involving data entry in MS-Access.
- Development of Specialised applications in Visual Basic 4.0. (4 months)

GENIMAR MARINE LTD

SOFTWARE DEVELOPER
1996

- Development of Specialised applications in Visual Basic 4.0. (4 months)

Other Qualifications

EDUCATION

Attended Seminars for:

- HP-UX 11i (HP).
- ORACLE SECURITY (American Union).
- MS Visio Solutions (ITEC).
- MS Exchange Web Solutions (Compact).
- OpenView Network Management (HP).
- Seminal on Computer Programming(Sponsored by the European Union).

COMPUTERS

Languages:

Delphi (3,4,5,6, 2005), Lazarus, PHP, HTML, Javascript, Embedded ANSI C, Borland C++ 3.1, Visual Basic 5.0, Access 97, ADA, Pascal, Basic .

Operating Systems:

Windows, X-Windows, Linux, HP-UX, SCO - Unix, Ms-DOS .

FOREIGN LANGUAGES

English: Cambridge Proficiency in English (1992).

Italian: PALSO intermedio.