

Curriculum Vitae

of Mr. Pafsanias Ftakas

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Employment

1. Ideal Systems S.A., Athens, Greece (March 2005 – now)

Working as a senior software engineer. The company develops a suite of billing/invoicing software (mainly targeting the mobile phone and banking sectors) that manages the interface between a company's billing system and the printer. Fully fledged J2EE architecture used, open systems and open source software components used whenever possible.

2. Innovis S.A., Athens, Greece (March 2004 – March 2005)

Working as a senior software engineer. Worked in the design and development of the BizSmart system that consists of a workflow engine and the associated designer, administrator and related software. Development was in C# using Microsoft .Net technologies. Remoting was heavily used, as well as other Microsoft technologies. The software is able a variety of databases as persistent store, such as SQL Server and Oracle among others.

3. Agile Software Corporation, California, U.S.A. (April 2003 – March 2004)

Working as a senior software engineer. Agile designs implements and supports various enterprise applications aimed at Product Lifecycle Management. The applications are implemented in a variety of different platforms including ISAPI extensions, C++ implemented Windows services, DLLs and MFC applications, as well as J2EE based web based applications. At Agile I am a member of the sustaining engineering group, providing support for the Agile suite of applications.

4. MS2 Inc., Mountain View, California, U.S.A. (September 2000 – April 2003)

Working as a senior software engineer. MS2 designs, implements and supports “Accelerate”, the company’s flagship project. Accelerate is an enterprise wide Product Lifecycle Automation product. I was involved in the design, implementation and support of a number of features added to the Accelerate platform during my employment with MS2. I have worked through three releases of Accelerate and a number of service packs. After a recent re-organization of the company I have taken over increased responsibilities over the support and development of the product. These included limited managerial responsibilities under the tutorship of existing managers in the company. Development has been mainly in C/C++, a little PERL as well as proprietary scripting languages for database definitions and HTML page generations. Up to 2001 the product has been using an object-oriented database to store persistent data. We have since converted the product to a SQL-Server and Oracle code base.

5. Atypon Systems Inc., Palo Alto, California, U.S.A. (December 1999 - September 2000)

Working as a software engineer. While working at Atypon I have implemented a number of components in the Java language used in the server side of a web publishing system designed, implemented and maintained by the company.

I have also worked in the design and implementation of an information extracting tool used to extract product information in the client browser's JVM for the purposes of comparative shopping, as well as the supporting code to contact relevant web sites, perform automatic order entry in secure mode and the general shopping cart implementation of the shopping tool. Development was taking place both in Linux and WinNT (Visual J++) platforms using servlets, JSP, Oracle database and SQL.

6. Parallel Applications Centre, Southampton, U.K. (June 1998 - October 1999)

Working as a research engineer. The company bided for and undertook (in collaboration with partners in industry) research

projects funded by the European Community. I was involved in the following projects:

- PARACOMP: Ported a legacy resource management and load balancing system for a cluster of workstations from UNIX to Windows NT while at the same time supporting and maintaining the UNIX version. The development was done using proprietary C++ compilers for HP-UX, AIX and SGI UNIX and Visual C++. Rational Rose was used to manage the changes in the system's design.
- IDAC: Designed, implemented and tested a demonstrator program (in Visual C++) that provided a front end to the neural network libraries developed through the research done in the project.
- DYNALOG: Designed implemented and tested the middle tier and front end of a system that would allow the administration, prediction and rationalization of logistics in companies that deliver products to clients from warehouses. The front-end of the system was implemented using Visual Basic 6.0, while the middle tier was implemented in SQL Server 6.0.
- Cardiff PSE: Helped in the design and prototype implementation of a CORBA system to allow engineers to encapsulate their knowledge of computing processes and re-use and distribute it in their company. My responsibilities included evaluation of different ORB implementations, as well as the determination of the components and their IDL interfaces that would address the need of the project. The main implementation language for this project was Java.

7. IBIS Ltd., Manchester, U.K. (October 1997 - June 1998)

Working as a trainee programmer. The company implemented and maintained a suite of actuarial software with emphasis on taxation. At IBIS, I implemented a system that validated and converted shares and stocks information from a CSV textual file into a Paradox database, in order for it to be used by the rest of the system. I was also involved in the design and implementation of a tool for printing and previewing tax return forms. The main implementation language was Delphi 2.0, under Windows 95.

8. University of Manchester, Manchester, U.K. (September 1995 - August 1997)

Working as a teaching assistant at the Department of Computer Science in the University of Manchester, while at the same time I was studying for a part time Ph.D. degree. The work involved mainly teaching duties (lectures, tutorials, lab marking and supervision, exam marking as well as general teaching duties). The general theme of the research that I did (I did not study for a long enough period for the thesis title to be finalized) involved looking at ways of implementing, profiling and optimizing a run-time system for an implicitly parallel functional language with object oriented aspects called U.F.O. (United Functions and Objects).

9. Greek Army, Greece (November 1993 - April 1995)

Military service is compulsory for all male Greek citizens. While in the Army I was trained as a communications engineer. I also worked as a local database administrator for the financial department of the Greek Army, and I was also involved in the translation of a number of technical manuals of telecommunications equipment from English to Greek.

Education

1. M.Sc. in Data Communications, Networks and Distributed Systems, University College London (September 1992 - September 1993)

Awarded with distinction in October 1993. For the dissertation I worked in a group project that had as its aim the design and implementation of a run-time system for a parallel extension of C++ developed in U.C.L. called UC++. The course administrator encouraged group projects as a means of learning to work as a team member. The main basis for parallelism in UC++ was the "active object", a C++ object with its own thread of control. It could reside on any workstation on a network and our run-time system had to supply the means for a global pointer address space, a naming service, relocation and replication throughout the network.

2. B.Sc. (honours) in Computer Science, University of Manchester (September 1989 - June 1992)

Awarded an upper second class degree in June 1992. While a second year undergraduate, I represented the University in the European Programming Competition organized by the ACM in Eindhoven, Holland. To win the place in the team of four people that represented Manchester, my team first had to win the programming competition (organized by a lecturer) in the Dept. of

Computer Science in Manchester. In the competition in Eindhoven, our team came 5th out of about 30 teams from all over Europe.

For my third year project I implemented an X-11 Window Manager in Smalltalk-80. The project required extensive familiarization with the X-11 Window System and the Xlib interface, as well as the Smalltalk-80 language and its virtual machine. For the needs of the project, I had to extend the Smalltalk VM so that it could invoke the Xlib functionality that is relevant to window managers. Once the necessary primitives were in place, I implemented a suite of window managers in Smalltalk-80 that were dynamic and customizable.

3. Thessaloniki School of Advanced Education (September 1987 - June 1989)

Studied for the British University entrance exams (A-levels). Degrees attained:

- A in JMB A-level in Physics in June 1989.
- A in JMB A-level in Applied Mathematics in November 1988.
- A in JMB A-level in Pure Mathematics in June 1988.

4. 13th Lyceum of Thessaloniki (September 1986 - June 1989)

Studied for the secondary Greek education system level. Attained the degree of "Apolytirion" with GPA of 18.3/20.