

# Angelos Karageorgiou

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**Expert in designing, delivering and managing extreme Internet services.**

## Professional Experience

### 2013-present Openbet, Greece. Senior Developer.

Heavy coding for the premier software house in the global betting industry. Member of various development teams using agile methodologies to implement the desired product features. Openbet is a Linux based environment and we are using Linux tools to produce software. I am a member of the core engineering team that produces the company's proprietary XML interface to Informix. Daily objectives include requirements analysis, database schema review and refinement, business logic coding, debugging, unit testing etc. I also teach BASH scripting and Linux administration courses to colleagues.

### 2010-2013 Virtual Trip Group of Companies, Greece. CTO.

My role within the group was to modernize the next generation of the company's flagship product, a small business server that includes an Asterisk based PBX, e-mail and fax server, CRM etc. I was instrumental in the acceptance of the company's bid for OTE's Unified Communications system offering based on the aforementioned technology. Designed and developed the centralized management infrastructure for the service's country wide deployment. Last but not least, as acting CTO I provided guidance and counseling to engineers involved in various projects ranging from Telcos to European R&D.

### 2006-2010 Vivodi Telecom SA Athens, Greece. Systems and Telecommunications Security Manager.

In my role as the **Technology Officer**, my primary objective was to support, maintain and expand the company's data centres, servers, databases, billing systems and digital facilities in general. It also included upkeep of internet value added services and business operations' support. I re-engineered almost all of Vivodi's IT services, infrastructure and resources in three locations and four (4) data centres. All of the internet services were rebuilt around an LDAP database for faster user acquisition. It is characteristic that provisioning times dropped by a factor of ten. An important part of my work was to maintain the Oracle DBs and manage the full processing cycle of loading call detail records into them for the biweekly billing cycle.

As the **Security Officer** I designed and enforced the company's IT security policies in close collaboration with the legal department and represented the company to local authorities. Furthermore I implemented Vivodi's network perimeter security. This work included the design and development of novel auditing software for Windows™ and UNIX bastion hosts. Last but not least I managed and tutored Vivodi's team of devops engineers.

### 2002-2006 Hellas On Line Athens, Greece. Infrastructure Unit Mgr.

Designed and implemented the company's new integrated services. These services included **e-mail** services and the first large scale commercial VOIP deployment in Greece with credit and prepaid card calling. The services were built around a core of LDAP servers that interfaced to BSS/OSS systems with custom open source software. I oversaw the migration of legacy services and hardware to modern ones. Other aspects of my work included the overview of the maintenance and good operating procedures of the company's infrastructure in its distributed data centers including the management of the engineering team. I hand tuned the MySQL DBs used for CRM and billing from the operating system level to the database software itself. Finally I provided training material to various teams on the new services.

### 1999-2002 IQS S.A Partner / IT Manager

I was responsible for the smooth flow of the operations of multiple online stock trading companies that were our clients. I was actively involved in the decision making process, specification and purchasing of communications and networking equipment, including PBXs, routers, servers and UNIX hosts. I designed

and Implemented VPNs for secure connections among financial institutions. Managed and provided guidance to the team of on-site engineers and oversaw critical migrations of production servers.

#### 1997–1999 Incredible Networks Partner / CTO

I was responsible for the design and implementation of a security conscious ISP from the ground up; involving specification purchasing and installation of all of the networking, communications and server components. I pioneered the first integrated services with the design and development of a secure web based email service, numerous e-commerce engines including the prototype off **e-shop.gr**, GSM messaging gateways etc. I established the company's Internet security perimeter using Cisco filters and active network traffic monitoring using SNMP, MRTG and other custom tools that I authored.

#### 1994–1997 Netaxis Inc. Stamford, CT, U.S.A IT Manager / CTO

I designed and operated the first commercial ISP in Southern Connecticut, U.S.A. My work included the design and implementation of the company's services and products. I also trained and oversaw the team of technical support engineers, provided counseling and strategic direction to the sales team and oversaw the installation and maintenance of all the networking and IT components and software. Additionally I was responsible for all the modems, routers and access servers, their installation configuration and management.

#### 1992–1994 Cosmodata International Inc New York City, U.S.A. Software Engineer

Authored databases using FOXpro, Greek/English keyboard and VGA drivers for MS/DOS computers in x86 assembly. Provided technical support to the company's customers. At the time I started the evaluation of Linux as a viable backbone server for corporate internets and intranets, the distribution at that time was Yggdrasil !

#### 1991–1992 INSCI New York City, USA Software Engineer

Responsible for the maintenance and improvement of existing "C" code on MS/DOS and SCO UNIX systems, authored large text screen support utilities and low level device control code for SCSI WORM drives on MS/DOS systems. I provided «C" support for SCO programs and technical support for end users of INSCI products as well as INSCI employees. I also interfaced with sales teams to provide debugging facilities for INSCI products.

#### 1989–1991 Southern CT State University New Haven, CT, U.S.A. UNIX and Network Administrator

As the computer science department's UNIX administrator, I was responsible for creating and maintaining user accounts on a heterogeneous client-server based network using TCP/IP, LAT, NFS, NIS, Yellow Pages, BIND and DECnet. Duties also included: hardware and software maintenance for the DEC diskless workstations and servers as well as the networked POSTSCRIPT printers. I was also responsible for all modem installation and configuration and for the initial planning of security control and resource management of the network

## Scientific Publications

Texture Analysis of Ultrasonic Images Using Back-propagation Neural Networks  
ICSC '95 - Third International Computer Science Conference  
<http://www.vislist.com/articles/vislist-14-035-10.htm>

Comparison of back-propagation neural networks and statistical techniques for analysis of geological features in Landsat imagery  
Proceedings of the SPIE Vol. 1469, p. 526-538  
<http://link.aip.org/link/?PSISDG/1469/526/1>

## Education

1995: **Masters** of Computer Science, City University of New York, U.S.A.

1992: **Bachelors** of Computer Science, Southern CT State University, U.S.A.

1988: **Ptychion** (Bs) of Mechanical Engineering, Technology Institute. of Kavala, Greece.