

Vasilis Gerakaris

SYSTEM ADMINISTRATOR · SOFTWARE ENGINEER

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“Be the change you wish to see in the world.”

Summary

Software Engineer with solid System Administration skills. Programs in Python, Java, C, Bash, and more. Adept at managing server infrastructure, configuring and maintaining Linux OS for security and stability, as well as automating tasks. Intermediate Network Engineering skills. Loves Linux, OS X, and FOSS, and enjoys finding elegant solutions to challenging problems. Currently working as a Software Engineer for Navarino.

Experience

Navarino

Piraeus, Greece

SOFTWARE ENGINEER

Nov. 2018 - Present

- Developed an e-mail address book of customers' Azure Active Directory data, using the Graph API.
- Created a configuration synchronisation mechanism between shore and vessels.
- Organised re-usable code into libraries and refactored existing Python sources to use the libraries and conform to best code and style practices.
- Migrated legacy Perl scripts to Python.

Navarino

Piraeus, Greece

LINUX SUPPORT ENGINEER (TIER 2)

Aug. 2017 - Nov. 2018

- Investigated and troubleshot networking and other critical issues on Linux machines.
- Automated common procedures by scripting their tasks.
- Developed a script to generate a dynamic hierarchical Ansible Inventory, and wrote Playbooks to configure those hosts.
- Monitored the company's infrastructure, taking proactive or reactive actions, as needed.

Hellenic Army IT Support Center (ΚΕ.Π.Υ.Ε.Σ.)

Athens, Greece

SYSTEM ADMINISTRATOR

Nov. 2016 - Aug. 2017

- Managed and monitored physical and virtual infrastructure in an ISO/IEC 27001:2013 environment.
- Identified and resolved problems on servers and network.
- Installed, configured and maintained Windows and Linux operating systems and system tools.
- Developed deployment and backup scripts and procedures.
- Performed Tier-2 helpdesk duties, troubleshooting various issues.
- Configured and managed the Intrusion Prevention System in response to emerging threats.

Education

MSc in Computer Science

2015 - 2016

UNIVERSITY OF EDINBURGH

Edinburgh, United Kingdom

- Specialist Areas: Cyber Security & Privacy
- Grade: Distinction
- Thesis: [“Design & Implementation of a Password Strength Meter for Partial Passwords”](#)
- Advisor: Prof. [David Aspinall](#)

Diploma (MEng) of Electrical & Computer Engineering in Information Technology

2008 - 2015

NTUA (NATIONAL TECHNICAL UNIVERSITY OF ATHENS)

Athens, Greece

- Grade: 7.95/10
- Thesis: [“Design and Implementation of a File Syncing Mechanism for a Distributed Storage System of a Cloud Computing Environment”](#) - [Presentation]
- Advisor: Prof. [Nectarios Koziris](#)
- Teaching Assistant in “Introduction to Programming” and “Programming Techniques” labs (2012-2015)

Skills

OS	GNU/Linux, MacOS, Microsoft Windows
Programming	Python, C/C++, Java, BASH, Ruby, PHP, TypeScript, others
Security / Firewalls	PFsense/OPNsense, iptables, firewallD, Shorewall, Suricata, Wireshark
Virtualisation	VMWare ESXi, KVM, Qemu, Vagrant, Docker
Networking & Monitoring	Squid, Quagga, Nagios, Zabbix, Splunk, ELK Stack
Version Control	Git, Mercurial
Software Development Platforms	IntelliJ IDEA, Eclipse, NetBeans, Xcode, Visual Studio

Languages

Greek	Native Proficiency (Mother Tongue)
English	Proficiency (C2 - CPE, ECPE, IELTS 8.5 Overall)
French	Intermediate (B1 - DELF 1)

Extracurricular Activity

Free & Open Source Software (FOSS) community at NTUA

Athens, Greece

MEMBER

2010 - 2015

- Advocated the benefits of open source OS, software and formats to students in campus.
- Participated in InstallFests, assisting visitors with installation and configuration of various GNU/Linux distributions.
- Participated in hackathons and group projects (e.g. setting up a Dovecot mail server, an Asterisk PBX).

School of Electrical and Computer Engineering Official Forum

Online Community

MODERATOR

2010 - 2016

- Moderated conversations, ensured that discussions were kept at a civilised level in the forum.
- Organised content for easier retrieval/download.

References

Michalis Papakyriakou
Navarino
Head of Infinity

Aggelos Kapoukakis
Navarino
Tier 2 Support Manager

Maj. Dimitrios Politis
Hellenic Army
Head System Administrator