Fotis Xenakis

Software Engineer, Systems

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in *fotis-xenakis*
○ *foxeng*

Experience

01/2024 - now **Kernel / Hypervisor Engineer**, *AWS*, Berlin, Germany
EC2 Accelerated Nitro
Working on the accelerated platforms of EC2, ranging from the depths of the EC2 Nitro hypervisor up to effective fleet management for the flagship EC2 platforms powering ML workloads.

06/2023 - 11/2023 **Senior Software Engineer, Systems**, *Mobileum*, Athens, Greece

10/2021 - 05/2023 **Software Engineer, Systems**, *Mobileum*, Athens, Greece
Engagement & Experience Business Unit (ex-Niometrics)
Working on the Deep Network Analytics platform, doing high-performance (GB/s), highly parallel log indexing, storage and aggregation. Heavily performance-focused: development, observability, troubleshooting in large production deployments. Involved in the entire development lifecycle (requirements, design, implementation, testing, support), member of a highly distributed team. C, Linux.

11/2020 - 10/2021 **Military service**, *Hellenic Navy*

05/2019 - 10/2020 **Software Engineer**, *Programize*, Athens, Greece
Working with Silicon Valley startups.
○ Aporeto/Palo Alto Networks: Scale testing and benchmarking of a cloud-native distributed firewall and network monitoring solution. Linux, Docker, Kubernetes, Go, Ansible, Terraform, Bash, GCP.
○ Codex: Back-end development and DevOps for a modern platform aimed at healthcare providers. Python, Django, GCP.

07/2018 - 11/2023 **System Administrator (part-time)**, *PCLab, ECE NTUA*, Athens, Greece
GNU/Linux deployment and administration of a 128-PC lab for the school's students. Implementation of a mechanism for automated file system resets upon user login. Linux, Ansible, Bash.

01/2020 - 12/2020 **Contributor**, *OSv*
Mainly around virtio-fs. C++, QEMU/KVM.

Education

2014 - 2020 **Diploma Electrical and Computer Engineering**, *National Technical University of Athens*, *8.58/10*
Major: computer software, computing systems. Minor: networking, mathematics.
Thesis title: *Efficient file sharing between host and unikernel.*

2002 - 2014 **High School Degree**, *Experimental School of the University of Athens*

Conferences

HiPEAC 2020 Attended.

HiPEAC CSW Autumn 2019 Attended and qualified in the Student Challenge, proposing an open, modular and affordable approach to home automation.

Languages

Greek	Native	
English	C2 (proficient)	*Certificate of Proficiency in English, The University of Michigan*
German	A2 (basic)	*A2*
French	A2 (basic)	*DELF A2*

Areas of interest

Operating Systems, Storage Systems, Performance, Programming Languages, Virtualization

Technical skills

Programming:	o Solid: C, C++, Python, Go, Shell
	o Familiar: Java, Rust

Version control:	Git	Virtualization:	QEMU, KVM
Operating systems:	Linux	Cloud computing:	GCP, AWS, Terraform
Web development:	Django, Flask	Other:	Docker, Kubernetes, Ansible