Laertis LOUTSIS

PERSONAL DETAILS

DATE OF BIRTH:	April 1988
EMAIL:	laertisloutsis@gmail.com

WORK EXPERIENCE

APR. 2018 -	**DevOps Engineer AT SG DIGITAL** - **Automation Engineer**. Designing and supplying *CI/CD* solutions through **Jenkins & AWS Pipelines** - **Release Engineer**. Scheduling and coordinating product releases to production datacenters through various channels - Designing **Terraform & Ansible** scripts for deployment to Dev/ QA/ UAT/ Stage and Production environments - **Docker**izing applications & creating **Compose** environments for development and testing purposes - Administering VM and **AWS** infrastructure
DEC. 2015 - APR. 2018	**Software Engineer / SysAdmin AT I-DOCS** - **Core Java**/Java Spring Engineer for Output Management, Electronic Bill Presentment and Payment (eBPP), e-Invoices, multi-channel communications and Mail Solutions - **SCM Administrator**. Responsible for designing a suitable git branching model, migrating from svn to git and binding software development to Jenkins and Artifactory - **Active Directory Administrator**. Create and maintain AD - **Vmware Administrator**. Responsible for creating, updating and maintaining **VMWare ESXi** hosts
MAR. 2014 - AUG. 2014	**R&D Engineer / Postgraduate Research Assistant** **Systems Security Lab, Vrije University Amsterdam** - **Sandbox Execution**. Collaborative work with *Cristiano Giuffrida* to extend Enhanced Operating System Security Through Efficient and Fine-grained Address Space Randomization *Supervisor*: Herbert Boss
FEB. 2012 - NOV. 2014	**R&D Engineer / Graduate Research Assistant** **Distributed Computing Systems Lab**, FORTH-ICS - HW & OS support for enhanced security - Improving *Intrusion Detection Systems* by utilizing traffic locality - Improving *Low Latency Anonymity Networks* against timing attacks *Supervisor*: Adjunct Assoc. Prof. Sotiris Ioannidis

Jun. 2010 - Feb. 2012	**R&D Engineer / Undergraduate Research Assistant** Distributed Computing Systems Lab, FORTH-ICS - Analysing and detecting *Heap-Spraying* attacks - Leveraging Detours' trampoline functions to create memory foot-prints of Windows executables *Supervisor*: Prof. Evangelos P. Markatos
Jun. 2007 - Jun. 2010	**IT Systems Administrator** Tranformation Services Laboratory (TSL), Computer Science Department (CSD) University of Crete (UoC) - Wordpress and Microsoft IIS Administrator *Supervisor*: Prof. Christos Nikolau

EDUCATION

Feb. 2012 - Nov. 2014	M.Sc. in COMPUTER SCIENCE Computer Science Department, University of Crete, Greece Research Area: Networks, Security and Distributed Systems Thesis: **Architectural Support for Instruction Set Randomization** Supervisor: Prof. Evangelos P. Markatos
Sep. 2006 - Nov. 2011	B.Sc. in COMPUTER SCIENCE Computer Science Department, University of Crete, Greece Thesis: **Analysis and Detection of Heap-Spraying Attacks** Advisor: Prof. Evangelos P. Markatos

TEACHING EXPERIENCE

Feb. 2012 - Sept. 2014	*Teaching Assistant*, Computer Science Department, UoC CS255 - Software Technology Lab. Spring 2012, 2013, 2014 Adv. Angelos Bilas CS252 - Object-Oriented Programming Fall 2013 Adv. Vassilis Christophides CS120 - Digital Design Fall 2014 Adv. Manolis G.H. Katevenis

AWARDS

Feb. 2012 - Nov. 2014	Graduate Research Scholarship, *FORTH-ICS*, Adjunct Assoc. Prof. Sotiris Ioannidis
Oct. 2010 - Feb. 2012	Undergraduate Research Scholarship, *FORTH-ICS*, Prof. Evangelos P. Markatos
Sep. 2007 - Oct. 2010	Student Scholarship, *TSL*, Prof. Christos Nikolau

CONFERENCES & SEMINARS

Nov. 2020	AWS Training: *Architecting, Running Container-Enabled Microservices*
Nov. 2019	AWSome Day Athens 2019
Oct. 2017	Voxxed Days Athens 2017
Nov. 2013	**ACM Conference on Computer and Communications Security (CCS '13)** Berlin, Germany
Jun. 2013	*TRANSFORM Summer School* on Research Directions in Distributed Computing
Jun. 2011	4th Summer School on Network & Information Security *The Challenge of the Changing Risk Landscape* Jointly organized by **ENISA** and **FORTH**
Jun. 2007	First International Workshop and Summer School On *Service Science, Management & Engineering*

External Service

External Reviewer	15th **IEEE** Global Internet Symposium; 17th International Conference on Architectural Support for Programming Languages and Operating Systems '12 (**ASPLOS**); 1st **SysSec** Workshop; 16th International **IEEE** Symposium on Computers and Telecommunications '11 (**ISCC**); 18th International Conference on Telecommunications '11 (**ICT**); 15th International Conference on Financial Cryptography and Data Security '11 (**IFCA**)

Publications

Antonis Papadogiannakis, *Laertis Loutsis*, Vassilis Papaefstathiou, Sotiris Ioannidis **ASIST: Architectural Support for Instruction Set Randomization**. In Proceedings of the ACM Conference on Computer and Communications Security (**CCS**). November 2013, Berlin, Germany.

Techinical Skills

DevOps	Terraform, Ansible, Docker (Compose), Git, Maven, Jenkins, Artifactory, Linux, Bash, Vi
Platforms	Jira, ServiceNow, GitBlit, Stash, Splunk, Bitbucket, Jenkins, JFrog, Pulp, Trello
Programming Languages	C, Java
Scripting Languages	UNIX shell/Bash, Sed, Awk, Make
Web/Markup Languages	Jinja2, Markdown, LaTeX
RDBMS	MySQL, PostgreSQL
Past Experience	Unix, SystemV, SystemD, LDAP, SMTP, Linux Kernel, Windows AD, Kerberos Authentication, FPGA, VHDL, Verilog, C++, Matlab, Actionscript, Perl, Ruby, Python, GNU Toolchain, HTML, CSS, Javascript, PHP, Microsoft SQL Server, Elastic Stack

Languages

English:	Cambridge Certificate of Proficiency in English (**CPE**)
	Michigan Certificate of Proficiency in English (**ECPE**)
Greek:	Native

Military Service

Full Service:	Nov. 2014 - Aug. 2015

References

Prof. Evangelos Markatos, BSc Advisor at FORTH-ICS (markatos@ics.forth.gr)
Sotiris Ioannidis, MSc Advisor at FORTH-ICS (sotiris@ics.forth.gr)
Alexios GIotis CTO at I-DOCS (alex.giotis@gmail.com)
Matthew Bell DevOps Lead and DM at SG Digital
Eleftherios Laskaridis Eng. Lead and DM at SG Digital (lefteris.laskaridis@gmail.com)