

# Laertis LOUTSIS

## PERSONAL DETAILS

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DATE OF BIRTH: April 1988  
EMAIL: [laertisloutsis@gmail.com](mailto:laertisloutsis@gmail.com)

## WORK EXPERIENCE

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| APR. 2018 -           | <b>DevOps Engineer AT <a href="#">SG DIGITAL</a></b> <ul style="list-style-type: none"><li>- Automation Engineer. Designing and supplying <i>CI/CD</i> solutions through <b>Jenkins &amp; AWS Pipelines</b></li><li>- Release Engineer. Scheduling and coordinating product releases to production datacenters through various channels</li><li>- Designing <b>Terraform &amp; Ansible</b> scripts for deployment to Dev/ QA/ UAT/ Stage and Production environments</li><li>- Dockerizing applications &amp; creating <b>Compose</b> environments for development and testing purposes</li><li>- Administering VM and <b>AWS</b> infrastructure</li></ul> |
| DEC. 2015 - APR. 2018 | <b>Software Engineer / SysAdmin AT <a href="#">I-DOCS</a></b> <ul style="list-style-type: none"><li>- Core Java/Java Spring Engineer for Output Management, Electronic Bill Presentment and Payment (eBPP), e-Invoices, multi-channel communications and Mail Solutions</li><li>- SCM Administrator. Responsible for designing a suitable git branching model, migrating from svn to git and binding software development to Jenkins and Artifactory</li><li>- Active Directory Administrator. Create and maintain AD</li><li>- Vmware Administrator. Responsible for creating, updating and maintaining <b>VMWare ESXi</b> hosts</li></ul>                |
| MAR. 2014 - AUG. 2014 | <b>R&amp;D Engineer / Postgraduate Research Assistant</b><br><b><a href="#">Systems Security Lab, Vrije University Amsterdam</a></b> <ul style="list-style-type: none"><li>- Sandbox Execution</li></ul> <i>Supervisor:</i> <a href="#">Herbert Boss</a>   |
| FEB. 2012 - NOV. 2014 | <b>R&amp;D Engineer / Postgraduate Research Assistant</b><br><b><a href="#">Distributed Computing Systems Lab, FORTH-ICS</a></b> <ul style="list-style-type: none"><li>- HW &amp; OS support for enhanced security</li><li>- Improving <i>Intrusion Detection Systems</i> by utilizing traffic locality</li><li>- Improving <i>Low Latency Anonymity Networks</i> against timing attacks</li></ul> <i>Supervisor:</i> Adjunct Assoc. Prof. Sotiris Ioannidis   |

JUN. 2010 - FEB. 2012	R&D Engineer / Undergraduate Research Assistant Distributed Computing Systems Lab, <a href="#">FORTH-ICS</a> - Analysing and detecting <i>Heap-Spraying</i> attacks - Leveraging <i>Detours</i> ' trampoline functions to create memory foot-prints of Windows executables Supervisor: Prof. Evangelos P. Markatos
JUN. 2007 - JUN. 2010	IT Systems Administrator Transformation Services Laboratory ( <a href="#">TSL</a> ), Computer Science Department ( <a href="#">CSD</a> ) University of Crete ( <a href="#">Uoc</a> ) - User Administrator, System Maintenance Supervisor: Prof. Christos Nikolau

## EDUCATION

FEB. 2012 - NOV. 2014	M.Sc. in COMPUTER SCIENCE Computer Science Department, University of Crete, Greece Research Area: <a href="#">Networks, Security and Distributed Systems</a> Thesis: <b>Architectural Support for Instruction Set Randomization</b> Supervisor: Prof. Evangelos P. Markatos
SEP. 2006 - NOV. 2011	B.Sc. in COMPUTER SCIENCE Computer Science Department, University of Crete, Greece Thesis: <b>Analysis and Detection of Heap-Spraying Attacks</b> Advisor: Prof. Evangelos P. Markatos

## TEACHING EXPERIENCE

FEB. 2012 - SEPT. 2014	<i>Teaching Assistant</i> , Computer Science Department, UoC <a href="#">CS255</a> - Software Technology Laboratory Spring 2012, 2013, 2014 <a href="#">CS252</a> - Object-Oriented Programming Fall 2013 <a href="#">CS120</a> - Digital Design Fall 2014
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## AWARDS

FEB. 2012 - NOV. 2014	Graduate Research Scholarship, <i>FORTH-ICS</i> , Adjunct Assoc. Prof. Sotiris Ioannidis
OCT. 2010 - FEB. 2012	Undergraduate Research Scholarship, <i>FORTH-ICS</i> , Prof. Evangelos P. Markatos
SEP. 2007 - OCT. 2010	Student Scholarship, <i>TSL</i> , Prof. Christos Nikolau

## CONFERENCES & SEMINARS

Nov. 2020	AWS Training Classes
Nov. 2019	<a href="#">AWSome Day Athens 2019</a>
OCT. 2017	<a href="#">Voxxed Days Athens 2017</a>
Nov. 2013	<b>ACM Conference on Computer and Communications Security (CCS '13)</b> Berlin, Germany
JUN. 2013	<i>TRANSFORM Summer School</i> on Research Directions in Distributed Computing
JUN. 2011	4th Summer School on Network & Information Security <i>The Challenge of the Changing Risk Landscape</i> Jointly organized by <a href="#">ENISA</a> and <a href="#">FORTH</a>
JUN. 2007	First International Workshop and Summer School On <i>Service Science, Management &amp; Engineering</i>

## EXTERNAL SERVICE

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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

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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

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DEVOPS	Terraform, Ansible, Docker (Compose), Git, Maven, Jenkins, Artifactory, Vi, Linux
OPERATING SYSTEMS	Unix, SystemV, SystemD, LDAP, SMTP, Kerberos, Active Directory
PLATFORMS	Jira, ServiceNow, GitBlit, Stash, Splunk, Bitbucket, JFrog, Jenkins, Pulp, Trello, Slack
PROGRAMMING LANGUAGES	C, Java
SCRIPTING LANGUAGES	UNIX shell/Bash, Sed, Awk, Make
WEB/MARKUP LANGUAGES	Jinja2, Markdown, <del>TEX</del>
RDBMS	MySQL, PostgreSQL
PAST EXPERIENCE	Linux Kernel, FPGA, VHDL, Verilog, C++, Matlab, Actionscript, Perl, Ruby, Python, GNU Toolchain, HTML, CSS, Javascript, PHP, Microsoft SQL Server, Elastic Stack

## LANGUAGES

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

## MILITARY SERVICE

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FULL SERVICE: Nov. 2014 - Aug. 2015

## REFERENCES

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Prof. Evangelos Markatos, BSc Advisor at FORTH-ICS ([markatos@ics.forth.gr](mailto:markatos@ics.forth.gr))  
Sotiris Ioannidis, MSc Advisor at FORTH-ICS ([sotiris@ics.forth.gr](mailto:sotiris@ics.forth.gr))  
Alexios Glotis CTO at I-DOCS ([alex.giotis@gmail.com](mailto:alex.giotis@gmail.com))  
Matthew Bell DevOps Lead and my Direct Manager at SG Digital  
Eleftherios Laskaridis Eng. Lead and Direct Manager at SG Digital ([leftieris.laskaridis@gmail.com](mailto:leftieris.laskaridis@gmail.com))