

# Othonas Soultatos

Senior Software Engineer

## Profile

Highly skilled and dedicated software engineer and researcher with a focus on cybersecurity. Demonstrated expertise in developing secure applications for networked embedded devices, software-defined networks, and distributed systems. Experience in both freelance and research positions, contributing to EU-funded projects and consultancy engagements. Proficient in multiple programming languages, including Java and Golang, with a strong emphasis on secure coding practices and adherence to industry standards. Successfully led teams and made critical architectural decisions to ensure the security and integrity of software systems. Strong publication record with 13 journal and conference publications, showcasing a commitment to advancing knowledge in the field. A proactive and detail-oriented professional with a passion for creating innovative solutions and contributing to the cybersecurity domain.

## Employment History

### Senior Software Engineer at Freelance

April 2022 — Present

Worked as a freelance Senior Software Engineer for three consultancy companies.

- Developed secure software solutions for clients in the financial industry, with a focus on ensuring data protection and system integrity.
- Implemented robust backend systems and conducted thorough testing to ensure optimal code performance and security.
- Actively contributed to the optimization of Azure DevOps pipelines and Dockerization of components to enhance security and deployment processes.
- Developed event-driven software and REST services with strong emphasis on secure coding practices and adherence to industry standards.
- Added advanced metrics functionality to existing components, enabling enhanced monitoring and detection of security threats.
- Collaborated with cross-functional teams to ensure continuous integration, delivery, and maintenance of secure software systems.
- Leveraged a variety of technologies including Golang, Gin Gonic, Cucumber, OpenShift, Docker, AMQP, MongoDB, Azure DevOps, Java, Spring Boot, Dropwizard, Spring Cloud API Gateway, Jenkins, Prometheus, and Google Guice, with a specific focus on their cybersecurity implications.

### Senior Software Engineer at Sphynx Technology Solutions

April 2020 — March 2022

Worked as a Senior Software Engineer with many hats (Cybersecurity Expert ,Software Developer, Project Manager)

- Developed authentication and authorization solutions for the company's platform, ensuring secure access to sensitive information.
- Led the design, implementation, and business analysis of the company's Asset Vulnerabilities Analysis and Propagation software,

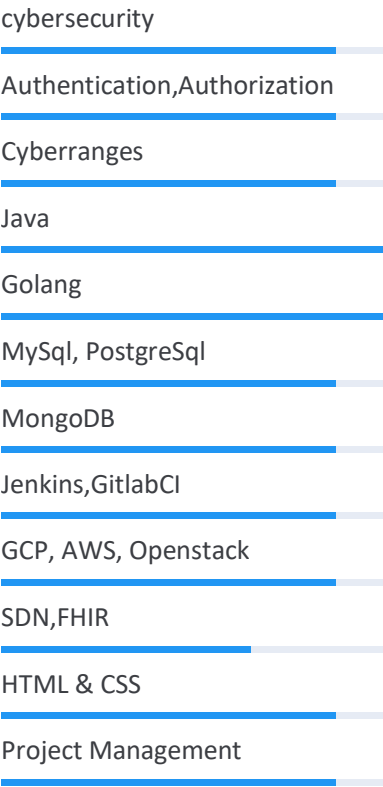
## Details

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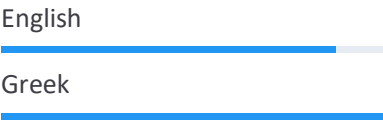
## Links

[personal website](#)

## Skills



## Languages



contributing to the identification and mitigation of potential security vulnerabilities.

- Developed and maintained the STS cyberrange simulation and scenario progression software, enabling realistic and immersive cybersecurity training exercises.
- Managed work packages for European projects, overseeing the successful delivery of security-related software components.
- Provided leadership in ensuring the security of the company's software and played a key role in making architectural decisions for the company's infrastructure.
- Utilized technologies including:
  - Java (Spring Boot, State Machine),
  - Golang (Gin Gonic, GORM)
  - Docker, Kubernetes
  - Gitlab CI for continuous integration and deployment (CI/CD)
  - WSO2 API Gateway and Identity Server for secure API management and identity management
  - FHIR for healthcare data interoperability
  - Zookeeper for distributed coordination, and GCP (Google Cloud Platform) for secure cloud services.

### **Software Engineer/ Researcher at ICS-FORTH, Iraklio**

November 2016 — March 2020

At the position held at ICS-FORTH my main responsibilities were not only at the software R&D but also at the managerial department with my main responsibilities being:

- Developed secure and lightweight applications for networked heterogeneous embedded devices, ensuring the integrity and confidentiality of data transmission.
- Utilized various APIs and programming languages to create efficient and reliable software solutions.
- Developed applications for Software Defined Networks (SDN) using the OpenDaylight Controller, contributing to the advancement of network programmability and management.
- Designed and maintained websites for projects and conferences, effectively disseminating project information and promoting collaboration within the research community.
- Served as a member of the organizing committee for conferences, contributing to the successful planning and execution of academic events.
- Worked with technologies such as SDN, Golang, Java, OpenDaylight, GitLab CI/CD for continuous integration and deployment, and HTML5 for web development.

### **Seconded Researcher at DGS ,Bluesoft, Torino & Warsaw**

April 2019 — January 2020

- Contributed to the H2020 EU Framework Programme (Marie Skłodowska-Curie) in the EU-funded project CyberSure.
- Engaged in research and development activities related to cybersecurity within the project.
- Utilized Java programming language to support the implementation of project objectives and deliverables.

### **R&D Software Engineer at Technical University of Crete**

Software engineering specializing in cybersecurity, used various technologies

and frameworks such as Golang and Node.js. Designed and developed lightweight communication protocols, ensuring secure and efficient data transmission.

## Education

**MSc, Hellenic Mediterranean University, Irákleio**

2022 — 2024

**BSc, University of Crete, Irákleio**

2008 — 2014

Graduated in Computer Science

## Conference and Journal publications

1. DOI:10.1145/3364181
2. DOI:10.1109/TSUSC.2019.2914917
3. DOI:10.1016/j.comcom.2018.02.0079
4. DOI:10.1016/j.future.2016.05.023
5. DOI: 10.1109/GLOBECOM38437.2019.9013147
6. DOI: 10.1007/978-3-030-42051-2\_14
7. DOI:10.1109/CAMAD.2019.8858501
8. DOI:10.1109/CAMAD.2019.8858429
9. DOI:10.1109/DCOSS.2019.00091
10. DOI:10.1109/CAMAD.2018.8514937
11. DOI: 10.1109/GLOCOM.2016.7842383
12. DOI:10.1007/978-3-319-24018-3\_18
13. DOI:10.1109/ETFA.2014.7005233