

# Ioannis Bakomichalis

Java Software Engineer | M.Sc. Digital Systems Security at University of Piraeus |  
Cyber Security Enthusiast

Cyber Security Enthusiast with an integrated Master Degree in Computer Engineering and Informatics Department from the University of Patras. I am passionate about solving problems as a Software Engineer and my skills are teamwork, leadership, communication and hard work. Nowadays, I work as Java Software Engineer at SYNTAX IT Group™.



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## EDUCATION

### Integrated Master's Degree in Computer Engineering and Informatics

University of Patras

10/2014 - 09/2020

Patras, Greece

Courses-General Information

- 5-years Polytechnic School, Computer Engineering and Informatics department in University of Patras (300 ECTS). [🔗](#)
- 53 courses (core & electives). [🔗](#)
- Diploma Thesis "Application for attack probability and risk metrics in intercepting personal data from Web" (Privacy Advisor App). [🔗](#)

### M.Sc. Digital Systems Security

University of Piraeus

10/2021 - Present

Athens, Greece

Courses

- 1.5 years Master's Degree Program focused on Cybersecurity. [🔗](#)
- Courses: Network Security, Security Assessment and Vulnerability Exploitation, Applied Cryptography, Information Systems Security and Privacy Protection, Mobile Internet Security, Digital Forensics and Web Security, Legal and Regulatory Framework of Security, Research Methodology and Master Thesis.
- Certifications: **CCNA Security** and **ISO 27001**.

## WORK EXPERIENCE

### Software Engineer

Hellenic Army IT Support Center

11/2020 - 07/2021

Athens, Greece

Tasks

- Develop Web Application with PHP, React.js and Symfony Framework.
- Use Agile Methodologies (Scrum), UI/UX Design with Figma, HL7 Research (HL7 messages and segments, versions, Integrations Engines, Interoperability), Testing Web Application for bugs.

### Java Software Engineer

SYNTAX IT Group™ [🔗](#)

07/2021 - Present

Athens, Greece

Tasks

- INTERAMERICAN Projects
- Insurance Platform
- Java - Java EE and Spring Framework
- Apache Wicket
- JUnit Testing
- IBM Databases
- Agile Methodologies
- Business Modelling - Insurance Development and Workflow

## SKILLS

Java

Spring Framework

SQL

Web Development

Penetration Testing

Shell Scripting

Linux

Git

## PROJECTS

### Covid19Dash (03/2021 - 05/2021) [🔗](#)

- Covid19Dash is a React web application for covid-19 pandemic global cases, it presents coronavirus cases globally (infected, recovered, deaths). Also, user can select any country and see the specific coronavirus cases among to the selected country in a chart-diagram with the suitable information for any country.
- Technologies: • Html5 • Css3 • JavaScript • React.js • MaterialUI • Chart.js • APIs • Node.js

### Privacy Advisor App - Diploma Thesis (02/2020 - 08/2020) [🔗](#)

- Privacy-Advisor-App is an user-centered app that help people and especially customers to understand how risky is to give their personal data in any e-business. For this reason, we focus on the probability of Bayes (Rule of Bayes) and GDPR services to explain them generally the probability to attack and intercept their personal data.
- Technologies: • Java • Java Swing • GUI • JDBC • MySQL • Xampp • Jasper Reports • UI/UX • XML • GDPR • Personal Data Protection.

### POLice App (03/2020 - 07/2020) [🔗](#)

- POLice App is a big project for 'Software Engineering' University lesson (CEID) with Scrum, Kanban and generally Agile methodologies of task working in a team of 4 students, which connects citizens of Patras with Patras Police Department for any emergency.
- Technologies: • Agile Methodologies • Java • Java Swing • JDBC • MySQL • XML • Xampp.

## CERTIFICATES-COURSES

NDG Linux Essentials - Cisco (04/2021) [🔗](#)

NDG Linux Unhatched -Cisco (03/2021) [🔗](#)

Cybersecurity Essentials - Cisco (02/2021) [🔗](#)

Introduction to Cybersecurity - Cisco (02/2021) [🔗](#)

The Web Developer Bootcamp 2020 - Udemy (12/2020) [🔗](#)

Infrastructure & Network: Bug Bounty and Penetration Testing - Udemy (11/2020) [🔗](#)

## LANGUAGES

Greek  
Native

English  
Full Professional Proficiency

German  
Limited Working Proficiency