

CAREER PROFILE

Domenico Gigante received the Bachelor degree in Computer Science and M.S. degree in Cybersecurity from the University of Bari "A. Moro", Italy, in 2019 and 2021, respectively. He currently works at Ser&Practices Srl as Security Analyst. His activities involve Secure Code Review, Web Application Penetration Testing, and Security-oriented software refactoring. Since 2021, he has been an industrial PhD student at the Department of Computer Science, University of Bari "A. Moro". He is the author and co-author of research articles in peer-reviewed national and international journals. His research interests include Trustworthy (Privacy- and Security-oriented) AI, Secure Software Engineering, Empirical Software Engineering, and Software Measurement. In his free time, he loves playing CTFs, mostly on HTB, and work out.

EDUCATION

PhD in AI and Cybersecurity 2021 - 2024
University of Bari "A. Moro"

He researches in the fields of Trustworthy (Privacy- and Security-oriented) AI, Secure Software Engineering, Empirical Software Engineering, and Software Measurement. He published various articles in peer-reviewed national and international journals.

MSc in Cybersecurity 2019 - 2021
University of Bari "A. Moro"

He acquired knowledge regarding the main aspects of Cybersecurity. Among the most relevant topics, there are:

- Web Application Penetration Testing
- Network Security
- Software Security
- Cryptography

BSc in Computer Science 2016 - 2019
University of Bari "A. Moro"

He acquired the fundamental notions of Computer Science. Among these, there are:

- Object-Oriented Programming
- Data Structures and Algorithms
- Computer Networks
- Operating Systems
- Databases
- Software Engineering






Diploma Lice Scientifica Opzione Scienze Applicate 2011 - 2016
LICEO SCIENT. OSA "LEVI-MONTALCINI"

He acquired the fundamental notions of Mathematics, Physics, and Computer Science.



Domenico Gigante

Application Security Analyst |
Pentester | Full Stack
Developer & DevOps

-  Italian
-  Europe/Rome
-  Domenico Gigante
-  HackTheBox Profile
-  Resume PDF

LANGUAGES

Italian (Native)
English (Professional)

INTERESTS

CTF player
Fitness

EXPERIENCES

Security Analyst | Pentester | Full Stack Developer 2021 - Present
Ser&Practices Srl

Here he mainly works as Security Analyst. His activities involve:

- Secure Code Review
- Web Application Penetration Testing
- Security-oriented software refactoring

He also works as Full Stack Developer & DevOps. Some of the activities are:

- Software Design with customer interaction
- Backend Development (PHP, .NET, Python, Java)
- Frontend Development (HTML, CSS, Javascript)
- Application Deployment (On-Premise and Cloud)

Junior Software Development 2019 - 2021
Auriga Spa

Here he worked as junior developer in the banking & finance domain.

CERTIFICATIONS

INE eJPT 2024 (WIP)
INE Security

INE Security's eJPT is for Penetration testers and validates that the individual has the knowledge, skills, and abilities required to fulfill a role as a penetration tester. This certification exam covers Assessment Methodologies, Host and Network Auditing, Host and Network Penetration Testing, and Web Application Penetration Testing.

Microsoft Certified - Azure Fundamentals (AZ900) 2022
Microsoft

Earners of the Azure Fundamentals certification have demonstrated foundational level knowledge of cloud services and how those services are provided with Microsoft Azure.

Fortify SCA & SSC Certified Professional 2022
Micro Focus

This certification provides participants with demonstrations and hands-on activities using a practical, solutions-based approach to identify and mitigate today's most common business security risks to applications.

FT120 - Fortify SAST and DAST for Developers 2022
Micro Focus

Fortify SAST and DAST for Developers is a two day training that explores how the Fortify product suite Static Application Security Testing (SAST) and Dynamic Application Security Testing (DAST) scans for security vulnerabilities.

Cyber Challenge.IT 2020
Cybersecurity National Lab

CyberChallenge.IT is a training programme for young talent aged 16 to 24, is Italy's leading initiative to identify, attract, recruit and place the next generation of cybersecurity professionals.



PUBLICATIONS

Here is the list of the currently published research papers.

- **Supporting Secure Agile Development: the VIS-PRISE Tool**
Maria Teresa Baldassarre, Vita Santa Barletta, Giovanni Dimauro, Domenico Gigante, Alessandro Pagano, Antonio Piccinno
Proceedings of the 2022 International Conference on Advanced Visual Interfaces
- **Resolving Security Issues via Quality-Oriented Refactoring: A User Study**
Domenico Gigante, Fabiano Pecorelli, Vita Santa Barletta, Andrea Janes, Valentina Lenarduzzi, Davide Taibi, Maria Teresa Baldassarre
2023 ACM/IEEE International Conference on Technical Debt (TechDebt)
- **From GDPR to privacy design patterns: The MATERIALIST framework**
Vita Barletta, Giuseppe Desolda, Domenico Gigante, Rosa Lanzilotti, Marco Saltarella
Proceedings of the 19th International Conference on Security and Cryptography-SECRYPT
- **A Rapid Review of Responsible AI frameworks: How to guide the development of ethical AI**
Vita Santa Barletta, Danilo Caivano, Domenico Gigante, Azzurra Ragone
Proceedings of the 27th International Conference on Evaluation and Assessment in Software Engineering
- **The Social Impact of Generative AI: An Analysis on ChatGPT**
Maria Teresa Baldassarre, Danilo Caivano, Berenice Fernandez Nieto, Domenico Gigante, Azzurra Ragone
Proceedings of the 2023 ACM Conference on Information Technology for Social Good



SKILLS & PROFICIENCY

