Thomas Sanavia

tsanavia@gmail.com | Padova (PD)
linkedin.com/in/thomas-sanavia | github.com/sanatho

Education

University of Padua — Padova, IT
MSc in Computer Science — *Sep. 2025 – Present*

University of Padua — Padova, IT
BSc in Computer Engineering — *Oct. 2022 – Sep. 2025*

- *Thesis: Vision-Inertial Fusion for Autonomous Navigation in Narrow Channels*

Experience

Software Developer — 2021 – 2026
Zoppellaro S.R.L. (Internship, Part-time & Contract) — *Padova, IT*

- End-to-end development and maintenance of proprietary software, working independently throughout the development lifecycle
- Development of backend functionality and REST APIs using Python and Flask
- Integration with external software components and libraries
- Relational data management using SQLite
- Automated testing with pytest, debugging and continuous maintenance
- Automated generation of technical reports
- Application packaging and distribution using PyInstaller
- Independent technical decision-making across development, testing, debugging and deployment

Projects

Microservices E-Commerce Platform | *Java, Spring Boot, Spring Cloud, Keycloak, Docker*

- Built a microservices-based e-commerce backend with Eureka, Spring Cloud Gateway and OpenFeign
- Implemented authentication with Keycloak and observability with Prometheus, Grafana and Zipkin
- Containerized the complete system with Docker Compose, including services, databases and supporting infrastructure

Todo Application | *Java, Spring Boot, Spring Security, PostgreSQL*

- Developed a task management application with authentication, authorization and persistent data management
- Implemented automated testing with JUnit and containerized the application with Docker

Self-Hosted Infrastructure | *Linux, Docker, WireGuard, Tailscale*

- Built and maintain a self-hosted Linux environment running multiple containerized services
- Configured secure remote access, networking, storage and service monitoring

Additional Experience

CyberChallenge.IT — Feb. 2026 – Jun. 2026
Cybersecurity Training Program — *Padova, IT*

- Hands-on training in web security and CTF challenges, with a focus on web vulnerabilities, authentication and session management

Technical Skills

Languages: Python, Java, SQL
Backend: Flask, Spring Boot, REST APIs
Databases: PostgreSQL, SQLite
Tools & Infrastructure: Git, Docker, Docker Compose, Linux, Kubernetes
Security: Spring Security, Keycloak