
Experience

- 2025 - **FinOps, Senior Software Engineer: Certified email**, *InfoCert S.p.A.*, Padua - Italy.
- Current
- FinOps: optimization of cloud resource usage and cost
 - Analyze resource usage (compute, storage, managed resources, ...) and usage pattern: write scripts, elaborate Excel files, combine inventory and monitoring
 - Define changes to reduce cost of cloud resources: change of VM types, change of storage tiering, shutdown unused resources, scale down during night and weekend, ...
 - Guide, and sometimes do, changes to reduce cloud cost: change node types on a live kubernetes cluster, use cloud automation to change storage tier
 - Work with microsoft support and consultants to coordinate the effort.
 - Help estimating costs on new projects.
 - DevOps:
 - Installed event-based scaling solution to better handle resource usage.
 - Configure log ingestion
 - Coordinate update of critical infrastructure (kubernetes, databases)
 - Participate in on-call rotation, create and expand runbooks for quick resolution.
- 2016 - 2025 **Senior Software Engineer: Certified email**, *InfoCert S.p.A.*, Padua - Italy.
- Created monitoring alerts and dashboards to ease the on-call workload
 - Deployed infrastructure elements for the team (monitoring, security agents, ...)
 - Coordinated cloud migration to Azure:
 - Gathering of common requisites from stakeholders.
 - Create deploy pipeline standard with documentation.
 - Guided and helped team migrate their workloads.
 - Created a platform to onboard users and their data, this helped the company win and maintain a government contract due to ease of use.
 - Participate in on-call rotation, create and expand runbooks for quick resolution.
 - Released the first containerized project of the team in kubernetes in 2020.
 - Mentored new hires from junior to proficient, giving guidance and leading by example.
- 2014 - 2016 **Software Engineer: Certified email, Digital signature, Digital long-term archiving**, *InfoCert S.p.A.*, Padua - Italy.
- Designed, and developed backends for various user-facing web applications. All products are used daily by customers.
 - Introduced source code review process and static code analysis to all teams.
 - Maintained legacy systems with new features and bug hunting.
 - Improved code quality by introducing best practices (SOLID principles, testing, dependency injection, and more) to the teams, via internal conferences and mentoring.
 - Developed internal libraries to avoid boilerplate and speed up development.
- Sep. 2013 - **Software Developer (Internship): Windows 8 touchscreen application for fashion**
Mar. 2014 **retail salesmans**, *Maxima S.R.L.*, Padua - Italy.
- Designed a new Windows 8 application from scratch.
 - Learned about C#, XAML design, async operations and more in the process.

Technical skills

- Methods and tools **FinOps, System design, API design, Helm, Unit Testing, SCRUM, Git, Maven, Dependency Injection.**
- Programming languages **Java, SQL, Bash, Python, Go.**
- Technologies **Kubernetes, AWS, Azure, REST services, Jakarta EE.**
- Operating Systems **Linux, Mac OS, Windows.**
- Office suites **LibreOffice/Microsoft Office, L^AT_EX.**

Publications and products

- 2017 - 2018 **Viper - A generator and a framework for injecting configurations via CDI**, *personal project*, GitHub civitz/viper.
Developed a library to generate a configuration injector and validator for CDI environments. It is now used in production.
- 2016 - 2017 **NotSoJug**, *Java User Group*, GitHub notsojug/jug-material.
 - o Studied coding and architecture design patterns.
 - o Taught tried-and-true design patterns to new hires and colleagues.
 - o Discovered, applied, and then presented new libraries to colleagues.
 - o Provided code examples at every presentation, all available on github
- November 2013 **MIREX 2013**, *Combining timbric and rhythmic features for semantic music tagging*. (Orio, N. and Piva, R.).
Developed an algorithm to infer semantic tags for music pieces from a set of annotated songs. Modeled the relationship between audio features and tags in a Hidden Markov Model-inspired structure.

Education

- March 2013 **Master Degree - Computer Science Engineering**, *University of Padua*, 110/110 *summa cum laude*.
Thesis: *Combining timbric and rhythmic features for semantic music tagging*. Supervisor: Prof. Nicola Orio.
- November 2010 **Bachelor Degree - Computer Science Engineering**, *University of Padua*, 110/110.
- July 2007 **Technician - Informatics**, *Istituto Tecnico Industriale Statale J.F. Kennedy*, Pordenone - Italy.

Other Experiences

- August 2011 - June 2012 **Algorithm enhancements and benchmarking for a high performance external memory sorting library**, *Psort project*, University of Padua.
- 2011 - 2012 **Design and implementation of a GUI plugin**, *PariPari project*, University of Padua, Peer to peer, plugin-based, distributed platform with instant messaging features written in Java.
- 2009 - 2010 **Implementation of XMPP support for an instant messaging plugin**, *PariPari project*, University of Padua.

Languages

- Italian Mother tongue
- English Comprehension C1/C2, Expression B2/C1¹

Interests

- Work Related I am interested in system design, artificial intelligence, code quality. I am a techie, and I like to stay up-to-date in every tech-related subject. I keep a small server at home (homelab) for my selfhosted applications.
- Other I am fascinated by privacy threats and mass communication. I enjoy listening to music of all kinds, especially when I am deep-diving in a problem. Movies too. I love to travel.

¹According to Europass CEFR self-evaluation reference, <http://europass.cedefop.europa.eu>