
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.

Publications and products

- 2017 - 2018 **Viper - A generator and a framework for injecting configurations via CDI**, *personal project*, GitHub [civitz/viper](https://github.com/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](https://github.com/notsojug/jug-material).
- Studied coding and architecture design patterns.
 - Taught tried-and-true design patterns to new hires and colleagues.
 - Discovered, applied, and then presented new libraries to colleagues.
 - Provided code examples at every presentation, all available on github

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.

Education

March 2013	Master Degree - Computer Science Engineering , <i>University of Padua, 110/110 summa cum laude.</i>
November 2010	Bachelor Degree - Computer Science Engineering , <i>University of Padua, 110/110.</i>
July 2007	Technician - Informatics , <i>Istituto Tecnico Industriale Statale J.F. Kennedy, Pordenone - Italy.</i>

Languages

Italian	Mother tongue
English	Comprehension C1/C2, Expression B2/C1 ¹

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>