Federico Serra

DevOps

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○ *fedeztk*

Tech passionate, Linux enthusiast

Education

2022–2024	**First Level Master Degree in Cloud Computing for AI and IoT**, *Unito*, Turin
2018–2021	**Bachelor's Degree in Computer Science**, *Unito*, Turin
2013–2018	**High School Linguistic Diploma**, *Liceo Albert*, Lanzo

Research

2021	**Research Thesis**, *Unito - SUSE*, Turin A study of Intel's Speed Shift power management technology

Experience

06/2024–present	**Cloud Operations & Governance Specialist** , *Engineering Group*, Turin CloudOps - DevOps team. Responsible for the governance of cloud infrastructure, the implementation of best practices and the automation of cloud services. Worked for Public Administration, banks, defense and high critical organizations as cluster manager and kubernetes specialist. Experience in maintaining k8s clusters up and running, implementing CI/CD pipelines, monitoring and alerting, security and compliance.
06/2022–06/2024	**Infrastructure Engineer - Cloud Specialist**, *Cybertech (Engineering)*, Turin Worked for many P.A. in Italy as well as banks and other critical organizations. Implementing first-class cloud solutions and up-to-date security measures
05/2022	**Help Desk**, *Cybertech (Engineering)*, Turin
2019	Web-App for a local writer

Internships

02/2022–04/2022	**Security Specialist**, *Cybertech (Engineering)*, Turin
2019–2020	**Assistant Professor**, *Unito*, Turin "Programmazione I" course

Projects

All my projects can be found at **my github**

Skills

Great propensity to team work

Good communication skills

Ability to teach

Aptitude for fast learning

Language

basic	french, german
good	english
native	italian

Computer skills

Backend / Scripting	Golang, C, Java/Spring, Bash, PHP, haskell, python, systemtap
Frontend	Javascript/Typescript/JQuery/NextJS, HTML, CSS
Database	MySQL, PostgreSQL, MongoDB
Tool	Git (GitHub, GitLab, Gitea), Vagrant, Docker, Ansible, Terraform, Jenkins, GitOps (Gitlab CI, GitHub Actions), Kubernetes, OpenShift, Rancher, Helm, Terraform, AWS (eks, codebuild, codedeploy, lambda, cloudformation), Openstack, Azure (aks), RabbitMQ
Security	API Manager (WSO2, Axway), Keycloak, SSO (OAuth, OIDC, SAML)
OS	Linux, Unix-like, Windows
Markup	LaTeX, Org, markdown
Misc	Devops culture, Cloud-native, Microservice architecture

Certifications

2022	Microsoft certified: Security, Compliance, and Identity Fundamentals
2022	ApiAcademy: API Product Manager
2022	ApiAcademy: API Designer
2022	ApiAcademy: API Security Architect