

Andrea Mandolo

Senior DevOps Engineer

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Monselice (PD), Veneto, IT

Passionate about infrastructure development. Committed from 11 years to automate everything that makes the developer's life better. Always searching for the simplest, cost-effective, and most maintainable solutions, always assuring the best level of security as possible.

Experience

DevOps Engineer [lastminute.com](#)

Sep 2022 - Present

Senior DevOps Engineer [THRON S.p.A.](#)

Jan 2018 - Sep 2022

During these years my main responsibilities are:

- evolve the infrastructure and development processes (k8s and CD)
 - support juniors to grow continuously and become a landmark to the other teams
 - maintain aligned all infrastructure people across different teams
 - improve the security of the whole platform and the development flows
 - adopting best practices everywhere, to achieve the ISO-27001 certification
 - optimize AWS costs with detailed reservation plans and cost-effective architectures
 - refactor the AWS organization, to easily manage the existing accounts and the new ones
- security and compliance
 - technological strategy
 - DevOps leadership and mentoring
 - cost-effective architectures

Full-stack developer (free time)

Nov 2020 - Apr 2021

[UniSMART - University of Padua Foundation](#)

Implement the Academy Web Portal to allow Master's course proposals management

- Analysis of requirements and architecture
- Design the APIs (with Strapi, based on Nuxt.js)
- Design the User Experience (with Vue.js, SSR, MongoDB)
- Manage SEO and legal aspects

DevOps Engineer [THRON S.p.A.](#)

Jan 2012 - Jan 2018

Mainly, my energies are focused on:

- migrate the physical datacenters to the AWS cloud
 - switch workloads from Windows to Linux
 - develop automated workflows to build and securely deploy the code
 - encourage adoption of new design patterns and methodologies (microservices, containerization, serverless)
 - manage a CDN layer in front of the origins to improve their performance, reachability, and availability (also for China)
 - define the backup and disaster recovery strategies of the platform
 - create tools for developers to help their day-by-day projects
 - evolve a huge Live Media Streaming worldwide ecosystem with CDN accelerations
- cloud migration
 - architectural simplification
 - automated deployment
 - microservices
 - containerization
 - serverless approach

Full-stack Developer [THRON S.p.A.](#)

Apr 2011 - Jan 2012

Analysis, design, and development of a prototype network appliance to improve the delivery and caching of contents in customer networks

- delivery optimization
- transparent caching
- on-premise devices and IDCs
- DNS manipulation

Skills

Cloud	CDN
AWS	Akamai / China
Serverless	
SQL/NoSQL DBs	Big Data
	Spark
Networking	ETL pipelines
API Gateway	ELK stacks
Service Mesh	
Nginx	Streaming
	Wowza
DevOps	AWS MediaLive
GitOps	
CI / CD	Languages
Jenkins, Ansible	Python / Bash
Linux	Java / Javascript
Prometheus	Go / Scala
Containers	Soft
Docker	Problem-solving
AWS ECS	Communication
Kubernetes	Leadership

Education

Bachelor, Computer Science
University of Padua

Certificates

[AWS Solutions Architect – Associate](#)
Amazon Web Services (AWS)

Languages

Italian · Native speaker
English · Fluent speaker

Links

[andrea.mandolo.net](#)
[linkedin.com/in/andrea-mandolo](#)
[github.com/amandolo](#)