

Andrea Mandolo

Senior DevOps Engineer

+39 349 4322 551
andrea.mandolo@gmail.com

Monselice (PD), Veneto, IT

Passionate about infrastructure development. Committed from 10 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

Senior DevOps Engineer

Jan 2018 - Present

THRON S.p.A.

During these years my main responsibilities are:

- evolve the infrastructure and development processes (k8s and CD)
 - support the junior DevOps 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
 - achieve the ISO-27001 certification, adopting all its best practices
 - optimize AWS costs with reservation plans and a cost-effective approach
 - refactor the AWS organization, to easily manage the existing accounts and the new ones
 - migrate on-premise MongoDB clusters to the Atlas managed ecosystem
- security and compliance
 - technological strategy
 - DevOps and infrastructure leadership
 - infrastructural mentoring

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 User Experience (with Vue.js)
- Server-side Rendering (with Nuxt.js)
- Design the APIs (with Strapi)
- Modeling a MongoDB database
- Manage SEO and legal aspects

DevOps Engineer

Jan 2012 - Jan 2018

THRON S.p.A.

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)
 - maintain the MongoDB clusters to an EC2 implementation
 - contribute to the media-conversion system refactoring
 - 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

Apr 2011 - Jan 2012

THRON S.p.A.

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