

Andrea Mandolo

Senior DevOps Engineer

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Monselice (PD), Veneto, IT

Passionate about Cloud infrastructure design and management.
Committed to automating everything that makes the developer's life easier.
Always searching for the best, simplest and most reproducible solutions
at the minimal human effort and with the correct robustness and security level.

Experience

Senior DevOps Engineer

Jan 2018 - Jan 2018

THRON S.p.A.

Mainly, my energies are focused on:

- migration of the old datacenter infrastructure to AWS cloud, switching from Windows to Linux ecosystems
- create automated workflows to build and deploy the code on the cloud, maintaining the appropriate level of security
- adopt as best as possible the new technologies to improve our platform infrastructure (serverless paradigm, code containerization for a microservices approach)
- maintain a multi CDN layer in front of the services to improve their performance, reachability and availability (also for China)
- help day by day the developer's work, trying to maintain its focus only on develop the code and not on the infrastructure's architecture and workflows

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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 optimizations
- transparent caching

- devices and IDCs
- DNS manipulations

Projects

UniSMART Academy Portal · Full-stack developer (2022)

Implementation of a web portal to manage Master's course proposals

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

Skills

Cloud	CDN
AWS	Akamai
IaC	Tiered caching
AutoScaling	China delivery
Serverless	
SQL/NoSQL DBs	Big Data
	Spark
Networking	Hadoop
Api Gateway	ETL pipelines
Service Mesh	ELK stacks
Load balancing	
VPN	Streaming
Nginx	Wowza
Distributed Tracing	AWS MediaLive
Performance	Worldwide events
DevOps	Languages
CI/CD	Python
Jenkins	Bash
Ansible	Java
Linux	JavaScript
Prometheus	Go
Containers	Soft
Docker	Problem-solving
AWS ECS	Critical thinking
Kubernetes	Communication
	Motivation
	Leadership

Education

Bachelor, Computer Science
University of Padua

Bachelor, Computer Engineering
University of Padua

Certificates

AWS Solutions Architect – Associate
Amazon Web Services (AWS)

Akamai Web Performance
Akamai Technologies

Languages

Italian · Native speaker
English · Fluent speaker

Links

andrea.mandolo.net

[linkedin.com/in/andrea-mandolo](https://www.linkedin.com/in/andrea-mandolo)

github.com/amandolo