Andrea Mandolo
Senior DevOps Engineer

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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 approaches)
- support the junior infrastructure developers 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 MongoDb clusters to the Atlas managed approach

· 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
AWS
Serverless
SQL/NoSQL DBs

CDN
Akamai / Caching
China Delivery

Big Data
Spark
ETL pipelines
ELK stacks

Networking
API Gateway
Service Mesh
Nginx

Streaming
Wowza
AWS MediaLive

DevOps
GitOps
CI / CD
Jenkins, Ansible
Linux
Prometheus

Languages
Python / Bash
Java / Javascript
Go / Scala

Containers
Docker
AWS ECS
Kubernetes

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