Daniele Albanese

✉ **daniele.albanese98@gmail.com**   in **LinkedIn**   ⊙ **GitHub**   ⊙ **Personal Website**   ⊘ **Google Scholar**

Current role	Cloud/DevOps Engineer at Softwave Soluzioni & Tecnologie S.r.l and Cloud/DevOps Engineer at Storm Reply
Technologies	AWS, Docker, Python, Bash, Linux, Terraform, Metabase, Jenkins, Git, SpringBoot, MongoDB, AngularJS, Node.js

My favourite technology is…
Docker's container management significantly streamlines the development and deployment of applications, ensuring both portability and consistency across various environments

Work experience

Cloud/DevOps Engineer, Softwave Soluzioni & Tecnologie S.r.l ▦   Jan 2024 - Present (1y 1m)

AWS   Docker   Python   Bash   Linux   Terraform

- Implemented cloud-based application solutions as a DevOps Engineer
- Ensured reliability, security, and scalability of AWS production systems
- Automated operational processes through tool design, maintenance, and management

Cloud/DevOps Engineer, Storm Reply ▦   Jan 2024 - Present (1y 1m)

AWS   Docker   Python   Bash   Linux   Terraform   Metabase

- Implemented cloud-based solutions to improve efficiency
- Ensured reliability, security, and scalability of AWS systems
- Automated operational processes by designing and managing tools

Full-stack Developer, CNR ▦   Jun 2022 - Apr 2023 (10m)

Docker   Linux   Jenkins   Git   SpringBoot

- Development of data security and data sovereignty tools as part of the E-CORRIDOR Project
- Managing DevOps activities of Jenkins and GitLab CI/CD pipelines
- Acquired skills in Git, GitLab CI/CD, Docker, Jenkins, Springboot and NGINX

Freelancer Developer, Avanguard ▦   Jun 2021 - Jul 2022 (1y 1m)

MongoDB   AngularJS   Docker   Node.js   Git

- Development of a Blockchain-based manufacturing process management platform
- Acquired skills in MEAN Stack, Git, Docker, and Blockchain

Education

University of Molise   Oct 2021 - Present (3y 4m)

Master's Degree Software System Security
- During my master's degree I learned concepts involving security, and optimization methods, and improved my knowledge regarding machine learning, and project management

- In a project management-related exam, I was the top performer among my colleagues, as I successfully guided a group of ~15 people in the development of a full-working university's teaching evaluation survey system and other features related to the official university application using SpringBoot, MySQL, and Ionic.

- My thesis work focuses on the design and implementation of an encrypted file system using cryptographic systems such as IBE and technologies such as TPM

University of Molise   Oct 2017 - Jul 2021 (3y 9m)

Bachelor's Degree (103) Computer Science
- During my bachelor's degree I learned concepts about development, databases, software engineering, machine learning, networking, and IoT

- In the software engineering project I worked in a group of about 20 people where we developed a full-working chat system using technologies such as MongoDB, MySQL, Ionic, Socket.io, Express, and NodeJS. My main role was backend developer and I was also responsible for supervising the frontend and managing repositories (merge requests, conflicts, and issues)

- A very formative experience was the CyberChallenge.it in which we were tested with challenges regarding all-around security; participating in competitions such as Capture The Flag and Attack/Defence. Through this experience, I learned some of the first concepts regarding software and network security

Snippets

AmazonPriceTracker 🔗 **github.com**
A system for monitoring the prices of products sold on the Amazon e-commerce platform with a user interface that can be used via a Telegram bot

MusicGenRetor 🔗 **github.com**
A machine learning system for music genre classification

VoLFDS 🔗 **github.com**
A system for verifying lock-free data structured through static analysis; using the CBMC tool

More about me

My favourite technology is...

Docker's container management significantly streamlines the development and deployment of applications, ensuring both portability and consistency across various environments

Right now I'm learning...

For the Linux Professional Institute (LPI) certification.

Languages

English, Italian

I want to work for a company that...

Values a good work-life balance and offers various opportunities to grow and learn new things

Interests

Sport (swim and volleyball), IoT, electronics, video games, music and films