



## EXPERIENCE

### Cloud System Engineer | AWS Solutions Architect Certified

#### Archiva Group

JANUARY 2026 – present

- Implementing optimized cloud solutions aligned with business objectives and corporate security guidelines to maximize application performance, uptime, and scalability.
- Managing and monitoring architectural application flows alongside PaaS and SaaS solutions for both current and future cloud implementations.
- Developing and executing migration strategies to transition systems to the cloud while decommissioning legacy on-premise infrastructure and hardware components.
- Serving as a technical mentor and point of reference for the team by fostering knowledge sharing and guiding colleagues in mastering the AWS cloud platform.

### Cloud Engineer | DevOps | AWS Solutions Architect Certified

#### Storm Reply Financial Services IT – Reply S.p.A.

SEPTEMBER 2023 – JANUARY 2026

- Led AWS Landing Zone implementation for Unipol Gruppo S.p.A., delivering security (WAF, Shield, Network Firewall), monitoring (Config, CloudWatch), and networking (Transit Gateway, centralized DNS with Route 53).
- Built and supported multiple SaaS and containerized (EKS) infrastructures for Unipol, focusing on security and networking.
- Engineered a hybrid Azure Entra ID ↔ AWS Managed AD sync solution for a BI Reporting application (EC2-based).
- Delivered a serverless PoC for Unipol Assistance contact center using Amazon Connect, Chime, Lambda, DynamoDB, and API Gateway.
- Supported Generali Italia within the AWS Group Operations Service Platform (GOSP), enhancing service quality and synergies across business units.
- Developed centralized log management and AWS Health-based notification automation across multiple AWS accounts for Generali.
- Designed a Terraform-based service catalog for Unipol, enabling on-demand provisioning of AWS services (EKS, EC2, ECS, VPC, TGW, Route 53, Transfer Family, etc.).
- Implemented Infrastructure as Code pipelines for Unipol, managing both Landing Zone and workload deployments.
- Set up GitLab CI/CD pipelines for infrastructure deployments across multiple environments.
- Managed GitLab CI/CD pipelines for Generali, handling centralized network changes and project streams.
- Worked in a Scrum environment utilizing Jira and Confluence for collaboration and project tracking.
- Implemented Site Reliability Engineering (SRE) practices for Generali Italia, focusing on reliability, observability, and operational excellence.
- Designed and automated Disaster Recovery strategies using AWS Fault Injection Simulator (FIS), aligning with DORA regulatory requirements and ensuring resilient architectures.
- Working on a Landing Zone project for Yard Reaas, delivering IaC and CI/CD with GitHub Actions; focusing on the architectural side while guiding a team on operational tasks.

# FRANCESCO PIO BARLETTA

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## Cloud & Network Engineer

### TOP-IX Consortium

APRIL 2023 – SEPTEMBER 2023

- Completed an internship focused on edge computing, specifically utilizing the FLUIDOS project, which centers around enhancing distributed computing capabilities.
- Extended the Liqo project to facilitate seamless communication and interface creation between FLUIDOS nodes, enhancing interoperability in edge environments.
- Developed the "Flavour Generator" component to efficiently collect capabilities from various nodes, catering to diverse processing needs and optimizing resource allocation.
- Gained hands-on experience with Kubernetes and Docker for container orchestration and management, ensuring scalable and resilient application deployment.
- Developed custom Kubernetes operators and controllers using Golang to automate the management of complex applications, streamlining deployment processes and improving operational efficiency.

## Network System Administrator

### Collegio Universitario di Torino Renato Einaudi

SEPTEMBER 2022 – SEPTEMBER 2023

- Managed Active Directory and Windows Server environments to maintain user accounts, permissions, and overall system integrity.
- Oversaw network equipment management, including Cisco switches, access points, and routers, ensuring optimal network performance and reliability.
- Configured and maintained Cisco switches to facilitate efficient data flow and improve network security, implementing best practices for VLANs and network segmentation.
- Provided technical support to users for internet services in their rooms, troubleshooting connectivity issues and ensuring a seamless online experience.
- Delivered comprehensive technical and IT support for educational activities and college events, deploying necessary network infrastructure and resolving technical issues promptly.



## EDUCATION

### Master's degree in computer engineering (Cloud & Computer Networks Path)

#### Politecnico di Torino

October 2021 – OCTOBER 2023

- **Final Grade:** 110/110

### Bachelor's degree in computer and Automation Engineering

#### Politecnico di Bari

OCTOBER 2018 – JULY 2021

- **Final Grade:** 103/110



## SKILLS

**Soft Skills:** Agile Project Management, Communication, Time Management, Problem Solving

**Programming Skills:** Go, JavaScript, Python, NodeJS, familiarity with Rust, Java, C, C++

**Technical Skills:** AWS, Azure, Network Administration and Security, Docker, Kubernetes, Database & SQL, Web Development (React)

**Language Skills:** Italian (native), English (fluent)

**Certifications:** AWS Solutions Architect – Associate, MongoDB SI Architect Certification, MongoDB SI Associate Certification