

andrea di iulio

cloud architect

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summary

Cloud architect at DXC Technology, with years of experience in engineering, designing and deploying cloud and traditional solutions. Curious learner, always looking at how things works at their foundations, I prefer Vim.

skills

Cloud	Public, private & hybrid cloud scenarios: AWS, OpenStack, VMware on AWS, Google Cloud
Traditional	Linux (from embedded systems to scale-out servers), OS engineering & modeling, VMware-based Disaster Recovery...
Certs	AWS Certified Solution Architect – associate; TOEFL – English as a foreign language; AWS Certified Developer – associate
SDN	Hybrid & public cloud networking, under & overcloud layouts, Juniper Contrail...
Code & IaC	Ruby & Shell scripting, C, JSON/jq, Go (basic), Terraform, CloudFormation, Docker Compose

work experience

DXC Technology

Rome – Italy

Cloud Architect

April 2017 – now

- Multi-private cloud post-sales detailed solution & implementation (Scalr, VMware, OpenStack, Juniper Contrail).
- AWS hub/spoke deployment with a transit VPC based on Check Point CloudGuard. Hybrid network connection with customers's HQs. Multi-region 1:1 disaster recovery.
- VMware + VMware on AWS distributed hybrid cloud architecture under a single management platform (Scalr). End-to-end responsibility on the technical proposal. Core/edge computing model. Orchestration framework based on Scalr & Terraform.
- Architectural design and cost modeling for a dual-AZ VMware on AWS deployment.
- Dry-run sessions with the VMware on AWS solution build team for a documentation quality walkthrough.
- Solution design & workload migration for a Government Authority service and relevant integrations, within a private cloud based on OpenStack.
- Multi-region AWS solution. Security, network and VPC templating. Integration and orchestration with in-house private cloud solution and portal. PoC on servicenow-based AWS provisioning.
- Within the italian automotive context, architecture definition and proposal of a Container as a Service internal solution - based on Docker, Swarm and a custom CI/CD pipeline, developed and maintained by local delivery teams. Cost modeling and transition planning.

Hewlett Packard Enterprise

Rome

Information Systems Architect

2009 – April 2017

- Part of the SPC Cloud development team. Main contributions: Oracle PaaS catalog, relevant licensing and restricted workload placement, underpinning technical architecture, cost and price modeling. Also, I worked for enabling a custom dual-site OpenStack deployment with Disaster Recovery capabilities. SPC Cloud is a community cloud solution for Gov't agencies (federal, central) based on HPE Helion Openstack and custom requirements.
- Docker & Swarm multi-node deployment underpinning a long-running training service for the Ministry of Justice.
- Application containerization within a virtual private cloud, for a banking application.
- VPC architecture, migration planning, cost modeling and IaaS setup enabling a SAP relocation two different EMEA & UK customers.
- Disaster Recovery for a core service of the Ministry of Justice, between two main DCs, using VMware SRM. End-to-end task including requirements definition, target architecture (under and over DR), relationships with internal and external stakeholders including vendors, and team leadership.
- Multi-node VMware deployment and Oracle RAC deployment for a Gov't agency: project and technical management.

EDS Electronic Data Systems

Rome, Milan

Technical Architect, Systems Engineer and previous roles

2000 – 2009

- Corporate e-mail system head of service delivery and continuous improvement. Integration between commercial & open source products.
- UNIX & Linux systems modeling, software packaging and automated deploying for the Ministry of Education.
- Systems modeling and hardening for the 2004 & 2005 electronic polling experimentations by the Italian Government: I developed the OS part of the e-vote kiosks.
- For Fata Informatica: Technical trainer (classroom) on Java, C, C++, and consultant on systems engineering and service administration for the Ministry of Education
- For Frama Development (Milan): programmer on CRM and DWH solutions.