

Stefano Pogliani

spogliani@gmail.com
<https://github.com/stefano-pogliani>

Passionate about building stable, secure and scalable infrastructures and Platform as a Service solutions.

Experienced at incremental and iterative evolution and improvement of new and existing platforms.

Work Experience

Present -
Jan 2020

Senior Infrastructure Engineer, Conversocial

Planned a new platform design to support company growth:

- AWS Organizations to ensure environment isolation.
- Kubernetes based for flexibility and an improved self-service approach.
- Terraform driven to be as one click creation as possible.

Jan 2020 -
Feb 2016

Infrastructure Engineer, Conversocial

Maintained and incrementally modernised a Cloud (AWS) platform:

- Bringing company products to a containerised world.
- Ownership of essential databases and caches.
- Ownership of centralised monitoring and centralised logs collection.
- Migrated the entire platform from AWS EC2 Classic to AWS EC2 VPC.

Built and maintained a Cloud (AWS) Continuous Delivery platform:

- To bring approved Pull Requests to production in half an hour.
- With support for canaries and atomic roll-backs.
- Built on top of a dynamically scaling Jenkins cluster and AWS ECS
- With additional tools to ensure the engineering team could be as effective and nimble as possible.

Provided operational, security and infrastructure guidance and best practices to the larger engineering team.

Jan 2016 -
May 2015

Junior Software Systems Engineer, Arts Alliance Media

Cloud (AWS) deployment and automation:

- AWS services and EC2 instances provisioning and configuration.
- Based on AWS CLI, SaltStack and Git.
- System and application monitoring stack.

Built and managed an internal CI service for the development team.

Acted as a bridge between the Software Development teams, Infrastructure team, and IT team.

Apr 2015 -
Feb 2014

Software Developer, Arts Alliance Media

Developed a centralised management and monitoring tool for cinemas:

- SaaS instance alone managed more than 600 cinemas and 1200 screens.
- Ensured the correct integration of different internal and external products in close cooperation with other teams.

Supported the SaaS production instance of the product:

- Web-based interface with a python backend supported by an HA PostgreSQL instance.

Dec 2013 -
Sept 2013

Site Reliability Engineer Intern, Google

Updated a Python debugging tool for data produced by a C++ pipeline and used by a DNS-based load balancer.

Education

Sept 2013 - **MSc in Computer Science**, *University of Oxford*

Oct 2012 Dissertation on automating the defunctionalization process of definitional interpreters using Haskell.

July 2012 - **BSc in Computer Science (110/110 cum laude)**, *Università degli Studi di Milano*

Oct 2009 *Dissertation on a framework for the creation of modular DSLs used to implement an exception handling feature in the generated languages.*

Technical skills and Tools

- Languages: fluent in Italian and English
- CI/CD: Jenkins, TravisCI
- Configuration Management: Ansible, Chef, SaltStack
- Containers: Kubernetes, Docker, AWS ECS, Podman
- Databases and Caches: Elasticsearch, InfluxDB, Memcached, MySQL, MongoDB, PostgreSQL, Redis, Solr
- Infrastructure as code: AWS API, AWS CloudFormation, Terraform
- Monitoring: CollectD, Grafana, Graphite, InfluxDB, Prometheus, Sensu, StatsD
- Networking: AWS VPC
- Operating Systems: Linux (AWS Linux, CentOS, Ubuntu)
- Platforms: AWS Cloud
- Programming & Scripting Languages: Bash, C/C++, Node.js, Python, Rust
- Source Version Control: Git, GitHub
- ... and a few more things that did not fit above