ANDREA DI STEFANO

DevOps Engineer

@ hello@fratellobigio.com   🌐 fratellobigio.com   𝕏 @fratellobigio   in andrea-di-stefano-aq   ○ andreadistefano

EXPERIENCE

DevOps Engineer

Octostar

📅 July 2024 – Ongoing   📍 Italy/Full Remote

- Development, maintenance and administration of different Kubernetes clusters in different environments: local development environments (Docker Desktop, KinD), Hetzner cloud, AWS EKS
- Developing and maintaining Helm Charts
- Building Docker images for several software projects
- Developing automations using Bash and GitHub Actions
- System administration (Google, GitHub, Slack, ClickUp)
- Back-end/API development using Python and Flask

Back-end Developer

Italarchivi

📅 April 2021 – July 2024   📍 Guidonia Montecelio/Hybrid

- Back-end software development with C#/.NET and Python
- IT Infrastructure maintenance and development (networking, Windows and Linux servers, VMWare hosts, GitLab, Prometheus, Grafana, Zabbix, more...)
- Database development, maintenance and administration (Oracle, SQL Server, MongoDB)
- Functional and technical requirements analysis, Project Management
- IT Support for colleagues and customers
- Development and maintenance of the Digital Preservation system, used both internally and by customers

EDUCATION

PhD in Operations Research

Sapienza University of Rome

📅 November 2019 – January 2021 (dropped out)

M. Sc. in Computer Science

University of L'Aquila

📅 September 2016 – March 2019

B. Sc. in Computer Science

University of L'Aquila

📅 September 2012 – July 2016

STRENGTHS

Problem solver   Team player   Good communicator   Fast learner

OTHER THINGS

- I've been maintaining a Linux server in my parents' house since 2008
- I'm a Scout Leader and a member of the National IT Patrol of the AIGSEC (Italian branch of the Federation of Scouts of Europe), managing our IT infrastructure on both Azure and AWS
- I play the electric bass
- I'm a cat person
- I play Mario games

NOTABLE WINS

🏆 **Compiled drivers for Linux on my first day of using it**
In 2007, the Linux kernel did not include drivers for the WiFi card in my first laptop. I had to compile them to connect to the internet.

🏆 **Cut a Docker build time from 5 hours to 20 minutes**
A team was running the ARM64 builder on an x64 runner with QEMU. I switched to a native ARM64 builder and sped up build times by an order of magnitude.

🏆 **Ran a whole Kubernetes cluster on a laptop**
Our product had to be demoed in an air-gapped location in a different continent. I rewrote the Helm-based installer to run it inside a 1-node Kubernetes cluster running on a laptop.

SKILLS

Docker   Kubernetes   AWS   Azure   C#   Python   Shell scripting   SQL   SQL Server   Oracle   MongoDB   Git   GitHub Actions   GitLab CI/CD   Prometheus   Grafana   OpenTelemetry   Windows   Linux   VMWare

LANGUAGES

Italian ●●●●●

English ●●●●○