

FEDERICO TERZI

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London, United Kingdom

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OBJECTIVE

Dedicated and motivated Site Reliability Engineer looking for a position with an organization that needs a proven performer and a fast learner. My core skills are Linux and Python.

EXPERIENCE

Zopa Ltd.

London, UK

Site Reliability Engineer (full time)

Jul 2018 – current

Managed the production Kubernetes infrastructure, including manifest files, helm charts and deployments.

Designed and developed the Concourse CI infrastructure, using Terraform on AWS.

Designed and developed a Golang application that acts as a status check for GitHub, to detect errors in commits before merging into the master branch.

Created the company internal status page, based on the open source project Cachet and slingshot, an application developed in Golang which receives alerts from Prometheus and updates the status page accordingly.

Designed the internal Github Enterprise infrastructure on AWS, using Terraform.

Designed the primary Elasticsearch cluster following the immutable infrastructure paradigm, using Terraform.

The Foundry Visionmongers Ltd.

London, UK

DevOps Engineer (full time)

Jul 2017 – Jul 2018

Designed and developed a new CI build system using Conan, CMake and Jenkins Pipelines, making products build up to six times faster.

Configured and managed multiple Jenkins instances to replace the legacy one, improving overall performance and loading time by at least 90%.

Configured Windows and Linux build environments using VMWare vSphere.

Netidea Webranking S.r.l.

Correggio, RE, Italy

Web Analytics Specialist (full time)

May 2016 – Jun 2017

Designed and implemented several Google Analytics tracking solutions, using JavaScript, Google Tag Manager and TagCommander (notable clients include: Allianz, Genialloyd, Mediamarkt and Moby).

Automated several tasks (most of them required extracting data from Google Analytics) using Python.

Designed and developed web-based applications using Flask framework and Python 2.7.

CG S.r.l.

Correggio, RE, Italy

Developer and System Administrator (full time)

Sep 2008–Jul 2011

Designed and developed project management software for internal use, using C# and MySQL.

Provided Windows and GNU/Linux administration in a small office environment.

Translated English and Italian contracts regarding the construction industry.

SKILLS

GNU/Linux (debian, Ubuntu,

Learned through university courses, maintained personal servers (home automation, website, utility), configured several servers in a work environment.

Red Hat, CentOS, CoreOS)

Bash scripting

Used to automate starting/stopping of daemons in both personal and work environment

Docker	Configured Hadoop images and ran map-reduce jobs on a cluster at university Created several Docker images and deployed them in the company Kubernetes infrastructure
Jenkins	Configured and managed multiple Jenkins servers currently in use in a mid-sized software company
Artifactory	Configured and managed an Artifactory server currently in use in a mid-sized software company
Amazon Web Services	Deployed personal website, ran Hadoop cluster of six nodes on EC2 Deployed several company services together with Terraform
Python (2.7 and 3.6) Flask – Django – Pandas – requests - selenium	Final year university project, designed and developed web-based tools and API for internal use, analyzed datasets during the Master in Data Science, various personal projects. Designed and developed build scripts and management tools in a mid-sized software company.
JavaScript jQuery	Setup of complex web analytics solutions using TagCommander, Google Tag Manager and AngularJS.
C++	Various university projects
Java Hadoop Jenkins Plugins	Final year university project, implemented map-reduce algorithms during the Master in Data Science. Maintained existing Jenkins plugins to make them work with the latest version of Jenkins
Groovy	Designed and developed Jenkins pipeline scripts to automate the build of a complex project
Golang	Designed and developed an application that automatically updates a Status Page after receiving specific alerts from Prometheus
x86/ARM Assembly Objective-C/Swift	Used to reverse engineer multiple applications as part of personal projects Designed and developed the Bachelor's thesis project, published a personal app on the App Store
Git	Used for version control in all of my personal projects. Used to manage the repositories of a mid-sized software company, using gitolite
Perforce	Used to manage the repositories of a mid-sized software company.
Apache HTTP Server	Deployed Flask and Django tools in production for internal use, various university projects
nginx	Configured to host personal website, and as a reverse proxy for various services in a mid-sized software organization
PostgreSQL/MySQL	Designed and implemented a database which contained the company's management data, various university projects

EDUCATION

Alma Mater Studiorum – Università di Bologna

Master in Data Science at Bologna Business School, September 2015 – October 2016

Bologna, Italy

Final score: 28/30

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| <ul style="list-style-type: none"> • Data Mining • Big Data | <ul style="list-style-type: none"> • Business Intelligence and Data Warehousing • Statistics and Data Analysis |
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Università di Modena e Reggio Emilia

Bachelor's Degree in Computer Science, October 2008 – April 2015

Modena, Italy

Final score: 92/110

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| <ul style="list-style-type: none"> • Programming • Data Structures and Algorithms • Parallel Computing • Software Engineering | <ul style="list-style-type: none"> • Database Systems • Probability and statistics • Computer Networks • Calculus and Linear Algebra |
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