

Dario Tranchitella



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Summary

Kubernetes Engineer with terrific experience on writing custom controllers and operators, strong background on managing Open Source projects, left full-stack web development for containers (Kubernetes, Docker, OpenShift, Swarm, Mesosphere DC/OS, Ansible, Elastic Stack, Jenkins, bash scripting, and sysadmin): I joined the dark side of DevOps practicing over Amazon Web Services, Google Cloud Platform, and Microsoft Azure, automating everything to build and design scalable cloud infrastructures, obviously with GoLang whenever possible but feeling comfortable also with Python and bash!

Fast to acquire domain knowledge, productive from day zero, obsessed with internals and technology black magic running under the hoods. I'm addicted to hard challenges and not feeling good with my comfort zones: that's the reason why I always push to limits.

I got strong opinions, weakly held, believing the whole is more than the sum of its parts, and more successful than lone rangers. This' the reason I live on appreciation and healthy communication, always open to healthy ideas exchange with my own role and the culture within the team.

Enjoying hosting talks about coding, best practices, and IT with a good willingness for teaching and training any kind of technical role in DevOps methodologies and tools.

Experience



Sr. Software Engineer

HAProxy Technologies

Dec 2021 - Present (1 year 3 months)

Working on Fusion Control Plane, delivering new features and Kubernetes integration projects.



Technical Advisor

CLASTIX

Jun 2020 - Present (2 years 9 months)

Leading the development of Capsule, an Open Source Kubernetes multi-tenant Operator.

Responsible for bug triage, feature design, code review, feature implementation, and community engagement.



Software Engineer

HAProxy Technologies

Oct 2020 - Jan 2022 (1 year 4 months)

Working on several Open Source projects, such as Dataplane API, Fusion Control Plane, Kubernetes Ingress Controller and their packages ecosystem.



Sr. Cloud DevOps Engineer

Namecheap, Inc

Aug 2019 - Sep 2020 (1 year 2 months)

Performed refactoring of EasyWP into Python micro-services backed by RabbitMQ.

Enabling multi Kubernetes clusters sharding to allow scalability to infinity.



Cloud DevOps Engineer / Kubernetes Engineer

Namecheap, Inc

Sep 2018 - Aug 2019 (1 year)

Member of the Cloud team, building EasyWP by Namecheap, Inc.

Go middleware API, Python micro-services development, extending Kubernetes with CRDs (Custom Resource Definitions) regarding storage, ingress, database, and the cluster itself sharding.

Providing CI/CD using Jenkins and Helm and custom metrics along with dashboard and alerts with Grafana and Prometheus.

The motto is: scaling to infinity and beyond!



DevOps Expert

Kiratech

Jan 2018 - Sep 2018 (9 months)

Helped corporate and enterprise customers DevOps adoption providing cloud native solutions (mainly approaching container patterns) based on Red Hat OpenShift Container Platform (Prometheus, Fluentd, Kafka, Grafana) and Docker Enterprise Edition, dropping with Ansible and Ansible Tower/AWX.

Improved customers CI/CD processes with CloudBees Jenkins alongside with Groovy pipelines and Shared Library.

Enabled infrastructure monitoring with Icinga2 and Icinga Director taking advantage of templates inheritance to provide fine-grained checks modularity.

Docker trainer.

Throughout this work experience I gained more expertise on Kubernetes and its internals: my curiosity drove me to try (and succeed) an installation from scratch disclosing most of the core components and architecture.

Same for security at the enterprise level: got more confident about RHEL and SELinux, alongside with Satellite, package mirroring, artifacts management and HTTP proxies as well due to high VLANs segregation.

Worked as consultant for Intesa Sanpaolo, Cineca, Cedacri, Arpa Lombardia, Deltatre, Ericsson, Aduno Gruppe, Inpeco, Electrolux.



DevOps Engineer

Starteed

Jan 2017 - Dec 2017 (1 year)

Performed both IaaS migration from Microsoft Azure to AWS and container orchestration, from Mesosphere DC/OS to Docker Swarm, improving reliability and reproducibility thanks to CloudFormation templates and container auto-scaling.

This working experience has been the shift to get more knowledge about 12 Factor and DevOps methodologies, getting deeper knowledge about Docker and containers, sysadmin, Infrastructure-

as-Code, infrastructure immutability, cloud migration and disaster recovery, becoming one of the the company technology key drivers and illustrating the case study at 2017 edition of Container Day in Italy.

Software Engineer

Starteed

Oct 2015 - Jan 2017 (1 year 4 months)

Head of Production for new crowdfunding Software as a Service, both backend (containerized application API-first, Laravel 5.5 on PHP 7.1, NGINX and Redis) and frontend (vue.js Single Page Application consuming JWT-powered APIs).

Starteed SELF was providing a custom domain platform hosting (using DNS delegated zone) with TLS termination using Let's Encrypt with automatic renewal.

Stats and metrics were gathered via Piwik in order to supply deep analytics to platform owners.

I also created a mini-ORM PDO based class for database mapping: on Admin back office columns were mapped to generate in automated way "upsert" forms and listing views with filters and conditions.

Platform experienced a huge and troubling migration from Azure to AWS achieved without downtime even it has been performed during working hours.

In this project I implemented multiple technologies, most relevant ones: Composer, SASS/SCSS, vue.js, Grunt, Stripe, PayPal, Piwik, Intercom, SparkPost, Ansible, AWS stack & tools, Jenkins.

Product Manager

3Digital LAB

Sep 2010 - Dec 2015 (5 years 4 months)

E-learning platform for 3D video training softwares (Autodesk 3ds Max, Chaos Group V-Ray, Autodesk Revit).

Platform developed with PHP and secured RTMP web server to prevent data breaches, allowing customer delivery with a cryptographic local web server powered by Python and uWSGI.

Tried to expand business abroad with localized versions but didn't worked due to low self-funded budget and no deep knowledge of selected markets: preferred to focus on software engineering selling it and glad to know it's still running and billing!

Full Stack Developer

Prometherion

Jan 2011 - Oct 2015 (4 years 10 months)

I decide to run my own company to finance my first web product, providing web solutions mainly for small customers. This experience has been really instructive, providing a broader vision regarding project management, UI/UX, marketing and digital strategies.

All this expertise has been forwarded to my web product, becoming one of the leading e-learning solution in Italy providing high security for video streaming and Digital Rights Management.

Web Development Project Manager

Tranchitella Ltd

2010 - Oct 2015 (5 years)

Outsourcing full-stack web development for Italian web agencies: projects cannot be shared due to NDA but mainly in large scale organised distributions.

During this experience I faced a deeper understanding of web development with further attention about customer satisfaction, UI and UX.



Freelance Web Developer

DM GROUP S.r.l.

Apr 2015 - Sep 2015 (6 months)

Outsourcing porting for a L'Oréal e-commerce application developed with PrestaShop to a custom internal MVC micro-framework in order to provide customer self maintenance. Project has been challenging since it needed a batch alignment everyday with SAP since end-users were interacting with representatives for order wishlists: this feature required a coupled collaboration with external teams, requiring a high collaborative approach.

Stack used: NGINX, PHP, PostgreSQL, SASS/SCSS, jQuery.



Trainer

Punto Computer Formazione di Enza Mosele

2006 - 2010 (4 years)

Family run IT school: web-oriented trainer.

I have been involved in IT since I was a child and I fallen in love with the World Wide Web.

Surely my first working experience but absolutely driven by passion for teaching... and it's still alive since I'm actively involved in local meetups and confs.

Education



Università degli Studi di Torino

University Degree, Law and Economics - Company oriented

2008 - 2012

Licenses & Certifications



Speaker: KubeCon + CloudNativeCon Europe 2021 - The Linux Foundation

Skills

Docker • Kubernetes • Go (Programming Language) • Project Management • Open-Source Software