

# Alejandro Andreu

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## Experience

### Senior Site Reliability Engineer

N26

Aug 2020 - Present (2 months +)

### Site Reliability Engineer

N26

May 2019 - Aug 2020 (1 year 4 months)

- Headed project to revamp CD strategy. Formalized Kubernetes-native CD solution using ArgoCD, following a GitOps approach.
- Overhauled Jenkins deployment to improve reliability. Streamlined upgrade, maintenance and incident procedures.
- Enabled CD team, managing priorities and designing the roadmap.
- Managed AWS infrastructure lifecycle using infrastructure-as-code (IaC) with Terraform.
- Improved configuration-as-code (CaC) codebase in SaltStack.
- Promoted numerous knowledge-sharing sessions across different teams.

### System Engineer

Midokura

Feb 2018 - May 2019 (1 year 4 months)

- Orchestrated migration of self-hosted internal services to Google Cloud Platform (GCP) in Kubernetes.
- Explored containerized GPU-intensive workloads in ARM embedded hardware (NVIDIA Jetson).
- Automated numerous manual processes with Python scripts.
- Engineered move of CI/CD pipelines from Jenkins to CircleCI.

### SOC Analyst

Proficio

Jul 2017 - Feb 2018 (8 months)

- Supported incident response when unusual or malicious activity was detected on any network.
- Performed event monitoring with ArcSight SIEM console as well as Splunk.
- Executed threat hunting procedures when new vulnerabilities were reported.
- Proactively suggested process improvements to make the workflow more efficient.
- Recognized event patterns that could represent an indicator of an ongoing cyber attack.

### DevOps Engineer

Midokura

Jun 2016 - Jul 2017 (1 year 2 months)

- Streamlined the process of integrating Midokura's award winning MEM software into Red Hat OpenStack Platform (RHOSP), reducing complexity to operators in the process of deploying, maintaining and upgrading clouds.
- Set up a robust, highly available monitoring system using Prometheus. Tailored precise alerts to be bothered only when the situation really requires it.
- Acquired extensive experience with OpenStack and its core components along numerous releases (from Kilo to Pike).
- Made significant contributions to upstream open source projects.
- Implemented Puppet modules to install and configure Midokura's software in different versions of Ubuntu and RHEL derivatives.

## System Engineer

### Netcentric, A Cognizant Digital Business

Oct 2015 - May 2016 (8 months)

- Administered and maintained a customer's production environment in Amazon AWS with on-call rotation outside of business hours.
- Released, packaged and deployed project code on heterogeneous systems.
- Set up several Adobe AEM environments (from staging to production) for a client from scratch, whilst administering the MongoDB clusters that acted as the application database.
- Designed and implemented caching strategies for improved overall performance on client infrastructure.
- Enhanced security of public-facing Apache web servers.
- Automated many of the Operations team periodic tasks by developing an extensive set of Bash scripts.
- Broadened my knowledge on continuous integration systems, especially with Jenkins.

## Junior System Engineer

### Netcentric, A Cognizant Digital Business

Oct 2013 - Oct 2015 (2 years 1 month)

- Administered numerous UNIX/Linux servers in a wide variety of flavors as well as the internal network.
- Shrunk downtime or malfunctioning of Netcentric's internal infrastructure by implementing a reliable monitoring system with Zabbix.
- Provided IT support for several customers' production environments in a timely and decisive manner. Travelled on-site regularly to give education to end users of the web application.
- Performed configuration management of Netcentric's internal infrastructure with Puppet.
- Reduced the complexity and effort of deploying new staging environments by setting up Foreman, a lifecycle management tool.
- Worked side by side with customer to migrate its Solaris already-running infrastructure to Linux.

## Software Developer

### Commons for Europe

Sep 2012 - Jul 2013 (11 months)

- Designed and implemented a fault-tolerant sensor network using only open technologies (Raspberry Pi, Arduino, XBee) which leveraged the power of already existing open data portals to store and display the data.
- Gained experience in C and Python programming languages.
- Cooperated with other similar initiatives being deployed along the continent.

## Support Engineer

Universitat Pompeu Fabra

Sep 2011 - Jun 2012 (10 months)

- Gave support to the users of the main internal application, getting their problems solved efficiently and escalating issues to the developing agency when a bug was discovered.

## Education



**Universitat Pompeu Fabra**

Bachelor of Science (BSc), Telematic Engineering

2009 - 2013

## Licenses & Certifications



**LPIC-1 - Linux Professional Institute**

Issued Mar 2015 - Expires Mar 2020

LPI000321778



**SUSE Certified Linux Professional - SUSE**

10272802



**ITILF - EXIN**

5322396.20383935



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