

# IVAN ANDRADE CASTAÑEDA

Cloud Engineering | Financial Markets | Microservices | Kubernetes

A Cloud Engineer with a strong passion for technology and financial markets. Experienced in cloud federation, container technologies, and kubernetes. Motivated by continuous learning, customer satisfaction, and tackling new challenges.



## CONTACT

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- Tenerife, Spain
- @iandrdec
- iandrdec

## SKILLS

### Programming </>

- Html/css
- Bash
- Python
- LaTeX
- Shell Scripting

### Operating Systems 🐧

- Windows
- Linux

### Software & Tools 🏠

- Containers Technology (Kubernetes, Helm, Docker, Docker-compose)
- Monitoring (Grafana, Loki, Promtail)
- Virtualization Technology (Kvm, VirtualBox, OVSwitch)
- Opennebula
- Networking technology (Cisco, Mikrotik)
- Infrastructure as a code (Ansible, Terraform)
- Version Control (GIT)
- Cloud providers (Azure devops, AWS)
- Latex Program (Overleaf)

### Financial markets 🏢

- Foreign Exchange
- US Futures markets
- Stock markets
- Cryptocurrencies markets

### Languages 🗣️

- Spanish
- English



## WORK HISTORY

- 10/22 - Present  
 Dyvenia Data, Tenerife - Spain  
**Junior Cloud DevOps Engineer**
  - Development and deployment of Dockerized applications, primarily focusing on Helm chart creation.
  - CI/CD workflows using Azure DevOps and GitHub
  - Support in Kubernetes deployment and troubleshooting.
  - Managed Docker container lifecycle, from development to deployment.
  - Technologies used:** Grafana, Loki, ArgoCD, Azure DevOps, Helm, Scrum, Kubernetes, Docker, Docker-compose, keycloak, Linux, Git, English.
- 08/2020 - Present  
 Independent  
**Chartered Market Technician**
  - Specialized in both fundamental and technical analysis, leveraging historical price behavior to predict future market movements.
  - In-depth technical analysis on FOREX, cryptocurrencies, and future markets including Gold, Crude-oil, SP500, DOW NQ.
  - Used tools:** Orderflow, foot print, orderbook, Bloomberg real-time news.
- 10/2016 - 05/2020  
 Universitat Politècnica de València, Valencia, Spain  
**Doctoral Research Assistant**
  - Thesis:** Advanced network cloud services for computing-intensive applications.
  - Developed a Kubernetes CNI for inter-site communication between pods across multiple locations.
  - Managed resources across multi-tenant network environments, including cloud federation and resources virtualization.
  - Technologies used:** Linux, K8S, Shell, Python, Flannel, Ansible, Docker, KVM, OpenNebula, OpenVSwitch.
- 05/2014 - 08/2014  
 University Research Institute on Robotics and Information and Communication Technologies, (IRTIC), Valencia - Spain  
**Web Developer Internship**
  - Developed and deployed a front-end web application for user management in the robotics department.
  - Technologies used:** HTML, PHP, JS, MySQL, Bootstrap.
- 06/2012 - 09/2013  
 PuntoNet, Guayaquil - Ecuador  
**L1 Corporate Support Engineer**
  - Managed first-level user issues, ensuring compliance with defined SLAs.
  - Oversaw creation, monitoring, and management of support tickets on NAGIOS.
  - Technologies used:** Nagios, Cisco, Mikrotik, Linux.
- 05/2011 - 06/2012  
 Pacificard S.A. Guayaquil - Ecuador  
**Banking Customer Service**
  - First-level problem management, achieving a 90% customer satisfaction rate.
  - Mentored newly hired representatives in customer service best practices.
  - Technologies used:** AS-400
- 01/2011 - 04/2011  
 Constelec S.A. Guayaquil - Ecuador  
**Outside Plant Technician (OSP)**
  - Conducted inspections and evaluations of existing telecommunications infrastructure.
  - Contributed to the design and engineering process for new fiber optic cables and removal or rearrangement of existing ones.
  - Technologies used:** Autocad

## EDUCATION

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 05/2023 - Present  
 Kodekloud Academy  
**DevOps and Kubernetes Program**  
Infrastructure as a code, Docker Certified Associate, Certified Kubernetes Administrator (CKA).

 2016 - 2017  
 Universitat Politècnica de València  
Valencia, Spain  
**Diploma in corporate networking**  
Main subjects: CCNA1, CCNA2, CCNA3, CCNA4.

 2014 - 2015  
 Universitat de València  
Valencia, Spain  
**Master's Degree in Web Services and Web Applications Engineering**



 2007 - 2012  
 Universidad Catolica  
de Santiago de Guayaquil,  
Guayaquil, Ecuador  
**Telecommunications Engineering**

## PUBLICATIONS

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Defining and testing virtual federated networks across multiple cloud sites.

 I. Andrade, C. de Alfonso, I. Blanquer,



 2017  Second International Conference on Fog and Mobile Edge Computing (FMEC), pages 107-112



IEEE.Ivan.Publication

Easing the Deployment and Management of Cloud Federated Networks Across Virtualised Clusters.

 I. Andrade, C. de Alfonso, I. Blanquer,

 2019  9th International Conference on Cloud Computing and Services Science - IW FCC, pages 601-608



Scitepress.Ivan.Publication