

# Felipe ESPINOZA

## PERSONAL DATA

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FIRST NAME: Felipe Alejandro  
LAST NAME: Espinoza Rosales  
EMAIL: [cv@espinoza.dev](mailto:cv@espinoza.dev)  
RIGHT TO WORK: United Kingdom

## WORK EXPERIENCE

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JAN 2019 PRESENT	<i>Lead Engineer, Online Education, Universidad de Chile.</i> <ul style="list-style-type: none"><li>• Manage a team of software engineers to scale and add new features to our Open edX platform.</li><li>• Setup continuous integration and deployment, monitoring, alerting and backup system.</li><li>• Move the Open edX installation to docker container, and next to a kubernetes cluster with CI/CD, allowing dynamic scale for handling the load of the components.</li></ul>
JUL 2017 JAN 2019	<i>Researcher at NIC Chile Research Lab.</i> Research in highly scalable DNS monitoring systems and the AnyCast networks of NIC Chile.
DIC 2016 ABR 2017	<i>Developer at Vigigo SpA.</i> Design and implement integration between different database systems and SAP for CODELCO.
JAN 2016 APR 2016	<i>Developer at Google Inc.</i> Design and implement projects to improve Google Deployment Manager.
DEC 2014 FEB 2015	<i>Developer, Project Leader at Penta Analytics S.A.</i> Design and implement the extraction process in an ETL system.
JUL 2014 OCT 2014	Programming teacher at University of Chile C teacher, class of 20 students aged 15 to 18.

## CONFERENCES

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JUL 2018	<i>IETF 102 Montreal.</i> Speaker: <i>Monitoring DNS with open-source solutions.</i>
MAR 2018	<i>SREcon18 Americas Conference.</i> Speaker: <i>Monitoring DNS with Open-Source Solutions.</i>

## EDUCATION

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| 2018 |  | <b>Master in Computing Science</b> , University of Chile, Santiago, Chile  |
| 2019 |  | Maximum distinction. Thesis: Geographical and Topological Analysis on Routes and Server Selection of DNS Anycast Clouds. |
| 2012 |  | <b>Computing Engineering</b> , University of Chile, Santiago, Chile  |
| 2018 |  | Maximum distinction. Thesis: Real time monitoring of DNS using open source solutions.                                    |

## CERTIFICATION

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| FEB 2021 |  | <b>CKAD: Certified Kubernetes Application Developer</b> , The Linux Foundation |
|          |  | Certificate ID: <a href="#">LF-opcjovkn4a</a>                                  |
| MAR 2021 |  | <b>CKA: Certified Kubernetes Administrator</b> , The Linux Foundation          |
|          |  | Certificate ID: <a href="#">LF-pt10ndf5sw</a>                                  |

## LANGUAGES

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SPANISH: Mothertongue  
ENGLISH: Fluent

## PROGRAMMING KNOWLEDGE

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Intermediate: PYTHON, RUST, Go, SQL, JAVA  
Basic: BASH, HTML, JAVASCRIPT, CSS, C++

## SOFTWARE KNOWLEDGE

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Orchestration: Kubernetes, Nomad.  
Containers: Docker, containerd, Docker Compose.  
Version Control: Git, SVN.  
Operating Systems: Linux.  
CI/CD: Argo CD, Concourse, Ansible, Terraform.  
Databases: MySQL, SQLite, Postgres, ClickHouse, ElasticSearch.  
Monitoring: Graylog, Prometheus, Grafana.