

Felipe ESPINOZA

PERSONAL DATA

FIRST NAME: Felipe Alejandro
LAST NAME: Espinoza Rosales
EMAIL: cv@espinoza.dev
PERSONAL SITE: fdns.github.io
RIGHT TO WORK: United Kingdom

WORK EXPERIENCE

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| JAN 2019 PRESENT | <i>Senior Software Engineer, Online Education, Universidad de Chile.</i> <ul style="list-style-type: none">• Manager of a team of software engineers to scale and add new features to our Open edX platform.• Setup continuous integration and deployment, monitoring, alerting and backup system.• Move the Open edX installation to docker containers, and next to a kubernetes cluster with CI/CD, allowing dynamic scaling of the platform.• Develop new features and integrations in the Open edX platform using Python and the Django framework. |
| 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 | | Master in Computing Science , University of Chile, Santiago, Chile |
| 2019 | | Maximum distinction. Thesis: Geographical and Topological Analysis on Routes and Server Selection of DNS Anycast Clouds. |
| 2012 | | Computing Engineering , 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 | | CKAD: Certified Kubernetes Application Developer , The Linux Foundation |
| | | Certificate ID: LF-0pcjovkn4a |
| MAR 2021 | | CKA: Certified Kubernetes Administrator , The Linux Foundation |
| | | Certificate ID: LF-pt10ndf5sw |

LANGUAGES

SPANISH: Mothertongue
ENGLISH: Fluent

PROGRAMMING KNOWLEDGE

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

SOFTWARE AND PLATFORM KNOWLEDGE

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.
Cloud Platforms: AWS, GCP.