

Felipe ESPINOZA

PERSONAL DATA

FIRST NAME: Felipe Alejandro
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EMAIL: me@espinoza.dev
NATIONALITIES: Chilean and Spanish

WORK EXPERIENCE

JAN 2019 PRESENT	<i>Lead Engineer, Online Education, Universidad de Chile.</i> Manage and maintain an EDx platform, setting up log and server monitoring, alerting, visualizations and backup system. Plan and implement new learning blocks and an analytics service for the teachers and advisors. Dockerize the environment and implement Continuous Integration and Deployment using docker, ansible, concourse and HashiCorp Vault, generating a sandbox and staging environment with backup data for backup testing.
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 of the extraction process in an ETL system.
JUL 2014 OCT 2014	<i>Programming teacher at University of Chile</i> C teacher, class of 20 students aged 15 to 18.

CONFERENCES

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

EDUCATION

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.

LANGUAGES

SPANISH: Mothertongue

ENGLISH: Fluent

PROGRAMMING KNOWLEDGE

Intermediate: RUST, GO, PYTHON, SQL, JAVA

Basic: BASH, C++, HTML, JAVASCRIPT, CSS

SOFTWARE KNOWLEDGE

Databases: MySQL, SQLite, Postgres, ClickHouse, ElasticSearch.

Monitoring: Graylog, Prometheus, Grafana, fluent-bit.

Containers: Docker, docker-compose.

Version Control: Git, SVN.

Operating Systems: Linux.

CI/CD: Docker Hub, Ansible, Concourse.