

# Alter Lagos

SOFTWARE ENGINEER · SENIOR WEB DEVELOPER

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## Skills

**Programming** Ruby – Javascript  
**Web** Rails – ReactJS  
**Languages** Spanish – English

## Experience

### vWork

*Auckland, New Zealand*

RAILS DEVELOPER

*Sep. 2018 - Present*

- Contributed extensively to the company's job scheduling web monolith, with a focus on optimization and code quality.
- Conducted multiple code refactoring efforts to promote code reuse and cleaner architecture, also removed unnecessary code reducing the code-base size significantly.
- Coded several optimization techniques, such as query refactoring, data caching or code profiling, among others, to improve the overall performance of the application.
- Upgrading Ruby/Rails/Webpack stacks for the 367K LOC monolith, including upgrade, replacement or removal of gems and packages.
- Constantly involved in test automation efforts within the IT team, along with promoting testing good practices in dev. team, related with test isolation and speed.
- Introduced tools to adhere coding standards (Rubocop/ESLint), also encouraging the rest of dev. team to follow them.
- Key developer, always supporting daily requirements from development, IT, testing and customer service teams.
- Integrating platform with 3rd party services like Hubspot, QuickBooks, MYOB or Xero.
- Technologies used: Rails/React/GraphQL/PostgreSQL/Solr/Cassandra/RabbitMQ/Docker/AWS.

### Meloncargo

*Remote*

RAILS DEVELOPER

*Oct. 2016 - Aug. 2108*

- Integrating internal Rails system with third party services like Mercado Libre API and Mercado Pago API
- Development of Facturapi, a gem to interact with a SOAP service of SII, the chilean taxes institution.
- Jenkins Install and config. with Docker as CI Service.
- Rails update to 5.x, including moving assets handling from react\_on\_rails to webpacker.
- Tech stack highlights: Elastic Search querying - React/Redux in frontend - Pusher notifications

### Independent Contractor

*Remote*

RAILS DEVELOPER

*Apr. 2014 - Mar 2018*

- Worked with a wide range of clients, mostly from United States, through Upwork platform.
- Developing for customers like Cloud Dentistry, ClickFunnels or Martian Interactive, to mention a few of them.
- Some tech stack: React frontend - CMS implementation - payment services integration with Stripe - I18n implement in front/back side

### 4Talent

*Santiago, Chile*

RAILS LEAD DEVELOPER

*Aug. 2012 - Mar. 2014*

- Recruitment platform built from scratch for Bci Bank.
- Involved in requirement gathering, design of application and full stack development.
- Backend processing with sidekiq - Integration with third party API's - REST API development to support AngularJS frontend - Use of Elastic Search - File uploading to S3

### Previous Experiences

*Sep. 2007 - Jul. 2013*

- Rails developer in Cranberry Chic. Using BackboneJS frontend and REST API development for iPhone version of the app.
- Rails developer in Trifecta GIS (now known as T4 Spatial). Maintenance and support of a Rails 3 application with Adobe Flex Frontend.
- Java developer in Continuum. My first real project using Rails 2.
- Java/Flex developer in Implementa TI. Using EJB/Hibernate
- Developer intern in Interplanet. Mostly testing of web apps and some roles as sysadmin of IBM Websphere servers

## O.S. Projects

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### dragonfly-azure\_data\_store

[GITHUB.COM/MELONCARGO/DRAGONFLY-AZURE\\_DATA\\_STORE](https://github.com/MELONCARGO/DRAGONFLY-AZURE_DATA_STORE)

2018

- Microsoft Azure data store for use with [Dragonfly](#) gem.

### facturapi

[GITHUB.COM/MELONCARGO/FACTURAPI](https://github.com/MELONCARGO/FACTURAPI)

2017

- Integrates a RoR application with sii.cl SOAP service (chilean taxes institution) to generate invoices.

### O.S. contributions medley

- [myob-api](#)
- [ruby-saml](#)
- [coveralls-ruby-reborn](#)
- [rails\\_performance](#)

## Education

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### Bio-Bio University

B.S. IN COMPUTER SCIENCE AND ENGINEERING

*Chillán, Chile*

*Mar. 2002 - Dec. 2007*

- Thesis Work: Development of a Bug tracking system for Implementa TI  
Technologies used: Flex – Actionscript – Blaze DS – Spring – Hibernate – PostgreSQL
- Part of University Tech service for one and a half year
- Teaching assistant in "Seminario y paquetes de software"(Seminar and software packages) class for a half year

## Presentation

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### Functional programming with Elixir

*Chillán, Chile*

[CODE ÑUBLE](#)

*Jun. 2019*

- Introductory talk about the origin of Elixir Language, some of their characteristics and a quick comparison with Ruby about some of its core functional features.

### Trabajo Remoto (Remote work)

*Chillán, Chile*

[BIO-BIO UNIVERSITY](#)

*Nov. 2014*

- A general talk for starter computer science students about my experience working as remote freelance.  
Explaining advantages/disadvantages and giving some tips about how to start with this work modality.

### “Radiografía de un sitio web” (A Website’s Radiography)

*Santiago, Chile*

[FLISOL 2010 \(LATIN AMERICAN FESTIVAL OF FREE SOFTWARE\)](#)

*May. 2010*

- Talk about how a web site is built, giving good practices tips regarding the use of HTML, CSS and Javascript.  
Also an introduction about HTML5 and all the improvements it brings to what we know nowadays as websites.

## Extracurricular Activity

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### Ruby X Elixir conf

*Taipei, Taiwan*

[ATTENDEE](#)

*Apr. 2018*

- Gained knowledge about new technologies and best practices

### Auckland RoR Group

*Auckland, New Zealand*

[MEMBER](#)

*Aug. 2011 - Present*

- Gained knowledge about new technologies and best practices

### dynLang Chile

*Santiago, Chile*

[MEMBER](#)

*2010 - 2018*

- Gained knowledge about new technologies and best practices
- Shared some talks about ruby development