

## Employment

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**Full Stack Software Engineer** **Groupon, Seattle** **2017 – Present**

**Things To Do Team** – JavaScript; NodeJS; Ruby –

- Building a Front End module to allow customers to buy multiple inventory in one transaction.
- Modified the Inventory Service to improve the throughput and latency of the fetch units endpoint.

**Software Engineer** **Groupon, Chicago** **2013 – 2016**

**Global Finance Engineering Team** – Ruby; Ruby on Rails; Clojure; PostgreSQL; Memcached; Redis –

- Led the process of adding Geo Redundancy support for the Global Financial Infrastructure services.
- Built the Audit System to ensure that the new and legacy ledger agree on transactions accounted for contracts.
- Built the VAT Invoicing Service for 13 EMEA Countries.

**Software Engineer** **Groupon, Santiago** **2012 – 2013**

**LATAM Finance Engineering Team** – PHP; CakePHP; MySQL; Java SE –

- Built the integration between the LATAM (6+ countries) platform and the Global Ledger System (Netsuite).
- Built the Tax Retention System for Argentinian and Colombian Partners.

**Software Engineer, Contractor** **Meaculpas, Liquor Store Chain** **2006 – 2008**

– Python; Django; PostgreSQL; JavaScript –

- Led the development of the Points of Sales (7+ branches) and the Management platform of the business.
- Built the Back End and Front End side of the Point of Sales application from the ground up.

**Software Engineer, Contractor** **Cuevas Bus Transportation** **2004 – 2005**

– Python; PyGTK+; PostgreSQL; Gazpacho/Tepache –

- Led the implementation of RemuneX: A Payroll System (100+ employees) built to be compliant with the Chilean Laws.
- Defined the relational data model and built the user interfaces by using Gazpacho/Tepache.

## Education

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**Santiago, Chile** **Universidad de Chile** **March 2010 – April 2013**

- M.S.E. in Computer Science, April 2013; Thesis: Safe and Practical Decoupling of Aspects with Joint Point Interfaces. Published in ACM Transactions on Software Engineering and Methodology, 2014.

**Iquique, Chile** **Universidad Arturo Prat** **March 2001 – December 2007**

- B.S.E. in Computer Science, December 2005; Software Engineer, December 2007.

## Technical Experience

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### Projects

- **Poolmachine** (2014) An Erlang OTP Application that manages pools of workers. Personal project.
- **Joint Point Interfaces for AspectJ** (2011). Extended the AspectBench Compiler for AspectJ to implement Joint Point Interfaces. AspectJ is an aspect-oriented programming language for Java.

### Additional Experience and Awards

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- **Erlang Interest Group:** Led bi-weekly meetings to talk/learn about Erlang. Group conformed by 10 software developers, Groupon, Chicago, 2016.

### Languages and Technologies

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- Ruby; JavaScript; SQL; Python; Clojure; Java; PHP; AspectJ; Erlang
- Ruby on Rails; Django; MySQL; PostgreSQL; Redis; Memcached; NodeJS; CakePHP