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# Milton Inostroza

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## Employment

**Senior Software Engineer**  **Groupon, 100% Remote, USA**  **2018 – Present**
**Card Link Offers Team** – Java8; Ruby –
- Modified the Card-Link-Offers Inventory Service to improve the latency of an endpoint (from 200ms to 10ms) and to increase the throughput to 180K rpm.
- Lead the implementation and design of the Card Interaction Service which in charge of interacting with different Card Networks: VISA, MasterCard, Amex, among others.

**Full Stack Software Engineer**  **Groupon, Seattle**  **2017**
**Things To Do Team** – JavaScript; NodeJS; Ruby –
- Lead the implementation of Front End module to allow customers to buy multiple inventory in one transaction.
- Modified the Things-To-Do Inventory Service to improve the latency of the an endpoint (from 600ms to 20ms) and to increase the throughput to 100K rpm.

**Backend 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.

**Backend 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

**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.

## Additional Experience and Awards

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

## Languages and Technologies

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