

## Employment

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**Staff Software Engineer** **Block Inc, Remote, USA** **2022 – Present**

**Local Team (2022 – Present)** – Kotlin, Misk, Aurora DB

- Building a market place by connecting the Square and Cash App ecosystem.

**Staff Software Engineer** **Block Inc, Remote, USA** **2019 – 2022**

**Cash App, Investing Team (2019 – 2022)** – Kotlin, Misk, Aurora DB –

- Stock/Bitcoin Gifting
- Escape Franklin
- Teen Investing

**Senior Software Engineer** **Groupon Inc, Remote, USA** **2018 – 2019**

**Card Link Offers Team** – Java8; Ruby; PostgreSQL; Redis; Sidekiq; Splunk; Blazemeter–

- Card Interaction Service is in charge of registering credit cards and receiving transactional data from the Credit Card Providers (VISA, MasterCard and Amex). I led the design/implementation of this service. I interacted closely with the MasterCard and Amex Product/Engineering teams to ensure the success of the project.
- Targeted Offers project is meant to decrease Merchant Attrition. I led the design of the system by interacting closely with the Business/Product teams. One interesting technical challenge I solved was to improve the latency of the Product#fetch endpoint (from 200ms to 10ms) and increased the throughput to 180K rpm.
- Mentored Software Engineers. Two of them got promoted from Junior to Mid-Level.

**Full Stack Software Engineer** **Groupon Inc, Seattle** **2017**

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

- Led the implementation of Front End module to allow customers to buy multiple inventory in one transaction.
- Wrote the proposal to stop using JQuery in favor of Vanilla Javascript. This was adopted Groupon-wide.
- Modified the Things-To-Do Inventory Service to improve the latency of an endpoint (from 600ms to 20ms) and to increase the throughput to 100K rpm.

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

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

- Led the process of adding Geo Redundancy support to 10 services (Global Financial Infrastructure).
- Built the Audit System to ensure that the new and legacy ledger agree on transactions accounted for contracts.
- Built the VAT Invoicing Service (13 EMEA Countries), reducing the processing time from 3 days to 12 hours.

**Backend Software Engineer** **Groupon Inc, Santiago, Chile** **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, Chile** **2005 – 2008**

**Meaculpas, Liquor Store Chain** – Python; Django; PyGTK+; JavaScript; PostgreSQL –

- Led the development of the Points of Sales (7+ branches) and the Management platform of the business.
- Led the implementation of RemuneX: A Payroll System for 100+ employees.

## 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.

### **Additional Experience and Awards**

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- **Privacy Champion:** Advocate for best practices and compliance of General Data Protection Regulation (GDPR), Groupon, 2018.
- **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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- Kotlin; Ruby; Java8; JavaScript; SQL; Python; Clojure; PHP; AspectJ; Erlang
- Misk; Ruby on Rails; Django; MySQL; PostgreSQL; Redis; Memcached; NodeJS; CakePHP; Sidekiq; Resque; Splunk; Blazemeter; Datadog