

JONATHAN ESTRELLA

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2518-30 Shore Breeze Drive – Toronto, Ontario, M8V 0J1

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TECHNICAL SKILLS

Languages	Java, Kotlin, Scala, Python, JavaScript, SQL
Frameworks and Libraries	Node.JS, Spark, React, AngularJS, Hadoop, Selenium
Technologies	MySQL, PostgreSQL, MongoDB, git, SVN

EXPERIENCE

Square

July 2018 - Present

Senior Software Developer - Cash App

Java, Kotlin, MySQL

- Led development of a team of 3 to rewrite of a workflow engine used to coordinate what screens are displayed to customers
- Defined strategy for a decompose-the-monolith team to execute on, several CashApp teams were able to build outside our monolith as a result of the work taken on
- Led CashApp-side technical development of Square Loyalty <-> CashApp integration, shipped on time and handed ownership off to another team
- Attend CashApp's postmortems as a member of the incident review group to find systemic issues and facilitate high quality root cause analyses

Square

May 2016 - April 2017

Software Developer Intern - Caviar

Ruby, PostgreSQL

- Added upsells to checkout pages to increase average order value
- Developed system that used heuristics to determine if a food courier was not making sufficient progress on a delivery

Street Contxt

May 2016 - April 2017

Software Developer

Java, Scala, Spark, JavaScript, React, SQL

- Improved email analytics by creating a microservice with Scala and Akka to serve an email tracking image that recorded how long an email was read
- Developed Spark application to download email links and run machine learning algorithms on the content to provide insights to users
- Lead transition away from Arquillian testing framework to API tests with JUnit

WatrHub

August 2015 - April 2016

Data Algorithms Developer

Python, Java, MongoDB, JavaScript, HTML, Hadoop

- Changed web scraping tech stack and reduced monthly server bill by 50% while also improving performance
- Wrote classifier for PDF files found on municipal websites to reduce time analysts spend classifying documents manually, achieved an accuracy of 79%
- Created web tools for analysts to interact with data sets and trigger web crawling

Manulife RED Lab

January 2015 - May 2015

Solutions Prototype Developer

JavaScript, Python, Java, AngularJS, MongoDB, MySQL

- Worked in 2 week sprints to create 7 functional web and mobile prototypes
- Performed research to identify key problems customers face and provided prototypes to demonstrate solutions

PetroPredict

May 2014 - August 2014

GIS/Software Developer

Python, Django, PostgreSQL, MongoDB

- Created efficient data parsing tools to extract and clean over 15 GB of data and export into a PostgreSQL database
- Led the development of a customer facing dashboard to visualize petroleum production data

EDUCATION

University of Waterloo, Waterloo, Ontario

2018

Bachelor of Computer Science, Honours Computer Science, Co-op