


# Jayson Virissimo

## Software Engineer & Engineering Manager

Phoenix (US), Arizona

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### Experience

#### Handshake

May 2022 - February 2023

##### Senior Software Engineer

Maintained and added features to student and employer inboxes (and associated services)

Migrated expensive operations from monolith to messaging miniservice

Modelled career fair business rules as GraphQL types

Replaced inbox RESTful endpoints with analogous GraphQL mutations

Introduced command objects to legacy controller actions to reduce feature rollout risk

Participated in hackathon project that inspired real production features

Mentored interns and junior developers

#### Tuft & Needle

February 2021 - April 2022

##### Engineering Manager, Purchase Experience

Lead team responsible for checkout, payments, promotions, and retail POS system

Helped my direct reports develop career progression plans and learning goals

Lead standups, grooming, planning, and retrospectives

Improved checkout performance and fixed security vulnerabilities

Implemented idempotent charge step to avoid double charges

Designed and implemented shipping address validation result caching

Updated register to scrub out-of-stock items from customer carts

Determined team's objectives and key results

#### Tuft & Needle

January 2019 - February 2021

##### Engineering Manager, Customer Experience & Retail Experience

Lead engineering team responsible for customer experience tooling

Helped stakeholders prioritize feature development and system maintenance

Negotiated with business for promotions and raises for direct reports

Automated FedEx shipment handling requests

Implemented secure deactivation of user records

Integrated with Textline API and implemented double opt-in flow  
Add custom fraud check rules for Affirm and PayPal payment methods

## Tuft & Needle

September 2015 - December 2018

### Software Engineer

Built tools for customer experience users and automated product fulfillment flows

Upgraded large monolith Rails application from 4.2 -> 5.2 and Ruby from 2.4 -> 2.6

Designed and implemented sales tax service outage fallback system

Discovered and hardened against SQL-injection vulnerabilities in operations portal

Designed and implemented passwordless POS system authentication

Add DOS attack protection to high throughput grape endpoints

Introduced automated performance testing and reduced product queries 22-fold

## JetPack Enterprises

February 2015 - August 2015

### Web Developer

Repaired, refactored, and added features to legacy software projects

## Bloom & Speak Bilingual Tx

January 2012 - September 2017

### Co-founder

## Mesa Police Department

February 2011 - March 2013

### Public Safety 911 Operator

## Education

### Arizona State University

2005 - 2009

Bachelor of Science

Political Science

## Skills

CSS

GraphQL

HTML

JavaScript

Rails

React

REST

Ruby

SQL

TypeScript

## Languages

English

Portuguese

*Native speaker*   *A2 (Certificado inicial de português língua estrangeira)*