

# Jayson Virissimo

## Software Engineer & Engineering Manager

Phoenix (US), Arizona

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### Experience

#### Tuft & Needle

January 2019 - Present

##### Engineering Manager, Purchase Experience

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

Developed coding challenge and associated grading rubrick

Created succession plan for myself and my direct reports

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

Introduced new marketing user role and associated authorization logic

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

#### Tuft & Needle

January 2019 - February 2021

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

Lead engineering team responsible for customer experience tooling

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

Migrate grape endpoints to traditional Rails controllers and eliminate it as a dependency

#### Tuft & Needle

September 2015 - December 2018

##### Software Engineer

Built tools for customer experience users and automated product fulfillment flows

Upgraded a ~300 model ~200 controller Rails app from 4.2 to 5.0, 5.1, and then 5.2

Upgraded Ruby from 2.4 to 2.5, and then 2.6

Installed and configured system to measure production code usage and identified unused execution paths

Fixed N + 1 queries in purchase order reporting module

Designed and implemented sales tax service outage fallback system  
Discovered and hardened against SQL-injection vulnerabilities in operations portal  
Designed and implemented sale source attribution system  
Designed and implemented passwordless POS system authentication  
Add DOS attack protection to high throughput grape endpoints  
Installed and configured realtime production performance monitoring  
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

### Software development

CSS HTML JavaScript Rails React Ruby SQL

### Management

Developer mentorship External hiring Project management Roadmap building  
Succession planning

## Languages

English

Portuguese

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