# Jayson Virissimo

# Software Engineer & Engineering Manager

Phoenix (US), Arizona

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o jaysonvirissimo in jaysonvirissimo

Experience

#### Handshake

May 2022 - February 2023

#### **Senior Software Engineer**

Replaced student inbox RESTful endpoints with GraphQL types and mutations Migrated expensive operations out of the monolith into messaging miniservice Participated in hackathon project that inspired production feature 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

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

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

Collaborated with stakeholders to prioritize feature development and system maintenance

Negociated 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

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

Lead initiative to improve documentation of systems within team's domain

#### **Tuft & Needle**

September 2015 - December 2018

#### **Software Engineer**

Built tools for customer experience users and automated product fulfillment flows

Upgraded a  $\sim$ 300 model  $\sim$ 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 Public Safety 911 Operator

February 2011 - March 2013

Education

### **Arizona State University**

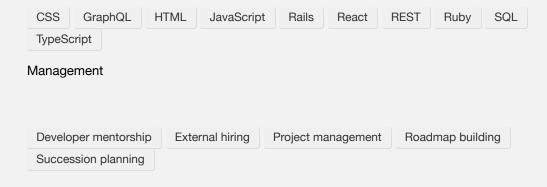
2005 - 2009

Bachelor of Science

**Political Science** 

Skills

Software development



Languages

English Portuguese

Native speaker A2 (Certificado inicial de português língua estrangeira)