

Jayson Virissimo

Software Engineer & Engineering Manager

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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

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 Public Safety 911 Operator

February 2011 - March 2013

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)