Jayson Virissimo

Software Engineer & Engineering Manager

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Experience

Tuft & Needle   February 2021 - 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
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 ~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 GraphQL HTML JavaScript Rails React REST 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)