Jayson Virissimo

Software Engineer & Engineering Manager

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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 ~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
TypeScript

Management

Developer mentorship External hiring Project management Roadmap building
Succession planning

Languages

English
Native speaker

Portuguese
A2 (Certificado inicial de português língua estrangeira)