

Isaac Vance

📞 (724) 553-9171 — ✉ isaacchristophervance@gmail.com — in isaac-vance

🏠 isaacvance1027 — 🏠 Denver, CO

Skills

Programming: Ruby, Rspec, Golang, go test, Python, Javascript, npm/nvm, Java, JUnit, Bash/zsh, C++, C

Web Development: Ruby on Rails, React, Node.JS, JQuery, HTML, CSS, Flask, Django, Graylog

Platform: GCP, Git, Github Actions, Docker, Kubernetes, RabbitMQ, Codefresh, Capistrano, TravisCI, AWS

Work Experience

Cadre Government Solutions - Software Engineer

March 2024 - Present

Department of State VisaOps Senior Cloud Engineer

March 2025 - Present

- Wrote and deployed changes for migration from Classic to Zeitwerk mode for full application upgrade to Rails 7
- Refactored bloated front end views by creating presenters and helpers to improve readability and functionality
- Fixed American Express credit card velocity decline issue through application yaml configuration and payments service integrations to stop bot attacks on core payments system speeding up average payment throughput by 20%
- Refactored database schema to pull overloaded and duplicated countries model attributes into new table for world wide usage

Department of State VisaOps Cloud Engineer

March 2024 - February 2025

- One of three total engineers to manage 7 module Rails application for worldwide DOS VisaOps visa platform
- Wrote documentation and presentation explaining core bit masking database column abstraction to expedite onboarding of new engineers
- Debugged/developed .md documentation for old Ruby versions on M3 Mac architecture for system wide upgrade
- Developed json-based config tool used by test engineers to add new core mission models for onboarding new countries

Recurly, Inc. - Software Engineer

September 2021 - February 2024

Payments Success Engineer

December 2023 - February 2024

- Designed, implemented, and canary released AVS/Partial-AVS and CVV system for Chase Orbital gateway integration
- Lead engineer on data cleanup process design, training, and handoff to customer support engineers to reduce overhead
- Provided payments success for processing of over \$1 Billion per month for a subscriber base the size of France
- Used Github Copilot generative AI to refactor Node.js integrations to Ruby and GoLang

Associate Payments Engineer

December 2022 – November 2023

- Implemented multithreaded scripts to process over 20 million records as sole engineer for PCI compliance bug fix to become the only Associate Engineer to ever receive a SPOT recognition award and bonus for work on company wide security incident
- Deployed hot fixes to 4 services in Ruby, Node, and open source Recurly-JS to ensure subscription payment success of a \$20 million batch
- Built new integrations to third party payments APIs across four 4 major microservices in Ruby, GoLang, and Node.js

Escalations Engineer

September 2021 – November 2022

- Tested integrations using Insomnia and Postman API calls for end-to-end tests and to replicate production payloads
- Participated in senior engineers' office hours for front end fixes in React and to help with UI refactoring
- Managed kubernetes pods through GCP to manually restart qa automation Cron Jobs and regression tests

Sporian Microsystems - Software Development Intern

May 2020 - October 2020

Helicopter Diagnostics Project Intern

- Built Flask web app using Jinja template based Python for displaying data from field deployed micro-controllers.
- Refactored low-code generated Django app to assess cost/benefit of functionality to implementation weight.

Education

University of Colorado

2019 - 2021

Bachelor's Degree in Computer Science

Boulder, CO

University of Colorado

2012 - 2016

Bachelor's Degree in Mathematics and Quantitative Economics

Boulder, CO

Interests

Music Production and Performance, Traveling, Sailing, Chess, Woodworking, Golf, Hiking, Basketball