


YURI BOCHAROV

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EXPERIENCE

Web Developer, Freelance

Dec 2019 – present

As a freelance web developer I connected with product owners through Upwork, Fiverr and social media. I worked on a variety of projects, ranging from full stack web applications to CLI tools to static websites.

- **Microservice API Transition:** converted existing inventory microservice from a Node JSON+REST API to Go backed gRPC API, reducing request size by 15% and improving 99th percentile latency by 120ms on average.
- **Ecommerce Web Store:** achieved sub 150ms tail latency on ecommerce product pages using Redis caching and Partytown web workers.
- **Rails Migration:** upgraded legacy Rails API from version 4.2 to 6.1 and drove an 8 fold increase in test code coverage.
- **Rails Backend Development:** optimized and updated 4 API endpoints, enhancing database performance using PostgreSQL and enabling data analysis with Amazon Kinesis within a short-term project timeframe.
- **Message Dream:** built and hosted full Ruby on Rails site, implementing a checkout flow with Stripe and email messaging with SendGrid.
- **Encrypted File Storage Service:** delivered a 30x performance improvement by offloading data encryption from native Ruby code to a C library using FFI.

Independent Contributor, WowAnalyzer

Dec 2021 – June 2022

Implemented the timeline analysis DSL and combat suggestions modules for 3 different classes, driving an 8000% increase in views for the timeline analysis page.

Teaching Assistant, University of Maryland

July 2019 – Dec 2021

Served as a teaching assistant for the UMD Algorithms course, collaborating with the course instructor to teach foundational algorithms and data structures.

PROJECTS

YuriBocharov.dev

June 2023

A statically generated blog/portfolio site using Jekyll, hosted on Netlify. Implemented extensive image optimization for efficient formats (webp, jpg, avif), sizing (using source sets) and compression (gzip, brotli) to minimize data usage. [Source](#)

JIT

Dec 2022

Created a fully interoperable Ruby language version of Git with advanced functionalities including rebasing, cherry-picking and stashing. [Source](#)

Private Events

May 2022

An event booking website using Ruby on Rails, modeled off Eventbrite, accommodating user sign-ups, event creation, and invitations. [Source](#)

SKILLS

- Programming Languages: Ruby, TypeScript, JavaScript, Go, Lua
- Web Frameworks/ Libraries: Ruby on Rails, React, Jekyll, Hotwire, AlpineJS, and StimulusJS
- Frontend Styling: HTML, CSS, PostCSS, and TailwindCSS
- Hosting Platforms: AWS, Heroku, Microsoft Azure, Supabase, Netlify, Render, Google Cloud
- Other: Git, Docker, Nix, Bash, SQLite, PostgreSQL, and Redis

EDUCATION

University Of Maryland, Bachelors of Computer Science

2018 – 2021

Montgomery College

2016 – 2019