

YURI BOCHAROV

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PROFESSIONAL EXPERIENCE

Alpha Omega

Software Developer

Remote

Jun 2024 - Present

- On a 2 month deadline collaborated with DHS stakeholders to drive a 100% reduction in same day reschedules, 8% reduction in reschedules by implementing event driven scheduling and notifications.
- Saved 600 annual support hours using Databricks analytics to rectify data inconsistencies and implement integrity checks via Postgres.
- Drove adoption of improved best practices around integration testing through evangelization and direct collaboration with teams leading to adoption by over 10 teams and a cumulative reduction in failures stemming from unreliable test by 70%.
- Drove a 32% median reduction in continuous integration build times by enhancing Ruby and JavaScript test suite performance and consistency, improving parallelization in Github Actions pipelines, and optimizing Docker image caching.

Freelance

Full-Stack Software Developer

Remote

Dec 2019 - Present

- Upgraded legacy Rails API from version 3.2 to 6.2, addressing and closing over 50 vulnerabilities, while enhancing test code coverage from 34% to 88% and enabling HTTP/2 and HTTP/3 compatibility.
- Built marketing site using Payload CMS with a Stripe checkout flow and SendGrid email marketing, enabling independent upkeep of the site by the client and serving 2000 daily visitors.
- Converted existing location 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.

Learn To Be

Software Developer

Remote

Nov 2022 - Dec 2023

- Implemented OpenAI powered practice tools in Rails for prospective tutors increasing frequency of tutor sign-ups conducting a first session by 65%.
- Built role based access controls to enable the onboarding of 3000 additional students via partnerships with school districts.
- Implemented Postgres backed caching of views and replaced ActionCable driver to reduce websocket response time by 70% and response latency by 30%.

WowAnalyzer

Front-end Developer

Remote

Dec 2020 - Jun 2021

- Optimized advertisements through target adjustments and data pre-fetching techniques, resulting in a 40% reduction in new user abandonment and elevating the conversion rate from 1% to 8% for the advertising campaign.
- Designed and implemented a TypeScript domain-specific language based on user feedback, tripling user contributions and updating 30+ React analytics modules.

PROJECTS & OUTSIDE EXPERIENCE

Ruby for Good

Lead Developer (CASA)

Remote

Jan 2024 - Present

- Implemented a full-stack redesign of case contacts and reports using Rails and Hotwire, migrating 44k existing reports and reducing report building time by 41%.
- Lead the CASA project at Ruby for Good 2024 mentoring 15+ new developers in creating their first open source contributions to CASA.
- Reducing sequential test suite runtime by 60% using Github Actions runners, test Dockerization and native ruby parallelization while avoiding paid solutions.

Coder

Open Source Contributor

2023 - 2024

- Improved test coverage of over 40 command line interface commands by leveraging existing testing infrastructure via golden files
- Improved command line parsing through lazy input evaluation and automated documentation of flags and environment variables

SKILLS

- Languages / Frameworks:** Ruby, Ruby on Rails, JavaScript, Go, React, Dart, Flutter, Bash
- Other:** Docker, Kubernetes, Github Actions, Nix, Git, TailwindCSS, Hotwire

EDUCATION

University of Maryland - College Park

Feb 2016 - Aug 2021