YURI BOCHAROV

mail@yuribocharov.dev • (240) 460-8660 • ⬤ Github • Silver Spring, MD

EXPERIENCE

Web Developer, Freelance   **Dec 2018 – present**

As a freelance web developer I connected with product owners through Upwork, Fiverr and social media. I built responsive, visually appealing and accessibility compliant web and mobile sites primarily using Jekyll, Ruby on Rails, and React.

- **Massage Dream:** Ruby on Rails site for a local massage parlor hosted on Heroku included a checkout flow with Stripe and Paypal and email messaging with SendGrid
- **Rails Migration:** upgraded legacy Rails 4 to Rails 6.1 site, migrated from Debian to Windows Server 19 with Docker
- **Photo Blog:** Jekyll photography blog site with Markdown posts, S3 image hosting, meta tagging for SEO and Algolia to search

Independent Contributor, WowAnalyzer   **Dec 2021 – June 2022**

WoWAnalyzer is a tool to analyze and improve World of Warcraft raiding performance through various metrics and gameplay suggestions, with custom analysis for each specialization to provide the best possible insights.

- Upgraded portions of the codebase from JavaScript to TypeScript
- Implemented domain-specific language features and built out relevant customer facing modules in React
- Expanded the site's localization capabilities

Teaching Assistant, University of Maryland   **July 2017 – Dec 2019**

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

- Facilitated discussion sections and provided individualized attention to students
- Graded assignments and provided constructive feedback to students
- Assisted in the preparation of course materials and lesson plans.

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, brotoli) to minimize data usage.
- Utilized PostCSS for modern CSS features (nesting, container queries, logical properties) while minimizing CSS served through uncss and CSS minification.

Nursebook   **Jan 2023**

A Ruby on Rails site attempting to mimic Facebook

- Single page-esque rails application
- Uses Hotwire to mimic single page application behavior
-

JIT   **Dec 2022**

Created a fully interoperable Ruby language version of Git with advanced functionalities.

- Implemented Git object structure (blobs, trees, commits), refs, and history
- Incorporated advanced features like cherry-picking, rebasing, and stashing for advanced conflict resolution.

Private Events   **May 2022**

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

- Utilized HTML, CSS, TailwindCSS, and a combination of AlpineJS and JavaScript for the frontend.
- Ensured high code quality with RSpec unit tests and systems tests using Capybara.

- Containerized the production version using Docker and set up hosting using Amazon EC2 and an RDS PostgreSQL database.

Rebuilding Rails   **Aug 2022**

A exploration into Ruby rails through the development of a rake-based framework inspired by Rails 3. <u>Source</u>

- Implemented Rack as middleware for running controller actions as Rack apps and enabling request routing.
- Configured a SQLite database to support an object-relational model.
- Enabled file-based autoloading for views and controllers. Employed ERB to render Ruby code within views.

SKILLS

- Programming Languages: Ruby, JavaScript, TypeScript, C, and OCaml
- Web Frameworks: Ruby on Rails, React, Eleventy, and Jekyll
- Frontend Styling: HTML, CSS, PostCSS, and TailwindCSS
- Client-Side Functionality: Turbo, Hotwire, AplineJS, and Stimulus
- Databases: SQLite, PostgreSQL, and Redis
- Hosting Platforms: Amazon Web Services (AWS), Heroku, Microsoft Azure, and Supabase
- Other: Git and Docker

EDUCATION

University Of Maryland, BA Computer Science   **2016 – 2019**

Montgomery College   **2015 – 2017**