

Benjamin Perrault

Software Engineer


🖱 benjaminperrault.com ✉ benjamin.perrault@gmail.com 📍 Tulsa, Oklahoma 📞 918benjamin

{ } TECHNICAL PROJECTS

09/2022 – 12/2022

Nexus, Co-Creator & Software Engineer - nexus-graphql.github.io 

An open-source tool that generates a GraphQL API from multiple data sources and deploys to AWS cloud infrastructure, abstracting away dozens of manual steps for fast setup.

- Led the development of a command line interface to automate GraphQL server generation, drastically reducing manual configuration (Node.js, Inquirer, Commander)
- Created a dashboard for API customization, testing, and deployment monitoring with a re-deployment notification system, hot-reloading local test server, and advanced data source configuration via GUI (React, Express, TailwindCSS)
- Resolved multi-source over-fetching and N+1 performance issues with dynamically generated custom GraphQL schema extensions and resolvers (GraphQL Mesh, YAML)
- Containerized server code for deployment to AWS cloud infrastructure and automated AWS deployment and teardown (Docker, AWS CLI, Terraform, ECR, ECS Fargate)
- Authored technical case study and led a presentation of the project to a group of 50+ attendees. Read the case study and watch the presentation: nexus-graphql.github.io 

08/2020 – 12/2022

Launch School, Mastery-Based Core Curriculum + Capstone Program

Here is a selection of the projects developed during my 2.5 year career transition:

- Request Cloud - A database-backed webhook request inspection and debugging application (React, Express, MongoDB, PostgreSQL, deployed to Digital Ocean Droplet)
- Airline Routes - An interactive map for viewing airline routes (React, JavaScript, Node.js, bootstrapped with Create React App)
- Todo Tracker - A Single Page Application backed by a PostgreSQL database (Ruby, Sinatra, ERB, SQL, Postgres)

SKILLS

Back End

Node.js, Express, Ruby, Golang, SQL, PostgreSQL, RESTful APIs, GraphQL, Sinatra

Front End

JavaScript (ES6), React, HTML, CSS, jQuery, Handlebars

Technologies

Git, GitHub, Docker, Bash, Terraform, DigitalOcean (VPS), AWS (EC2, Fargate, ECS, ECR)

PROFESSIONAL EXPERIENCE

03/2018 – 07/2022

Freelance, Marketing Consultant

- Researched, executed, and evaluated email, social, SEO, and paid media campaigns
- 8-month software project manager contract leading client-developer relationship

09/2015 – 03/2018

Gitwit Creative, Marketing Campaign Director

- Hired and led a team of strategists to sell, execute, and analyze client campaigns
- Assisted founders in developing internal processes as the team grew from 12 to 25

EDUCATION

09/2011 – 05/2014

University of Tulsa, B.S. Business Administration & B.A. Spanish Language