

# Benjamin Perrault


Software Engineer

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
## { } TECHNICAL PROJECTS

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09/2022 – 12/2022

**Nexus**, Co-Creator & Software Engineer - [nexus-graphql.github.io](https://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](https://nexus-graphql.github.io) 

08/2020 – 09/2022

**Personal Projects**, Developed during 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, bootstrapped with Create React App)
- Todo Tracker - A Single Page Application for task tracking built on top of a RESTful API specification (JavaScript, jQuery, Handlebars, HTML/CSS, MVC pattern)

## 🧠 SKILLS

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### 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

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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

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08/2020 – 12/2022

**Launch School**, Software Engineering & Full-Stack Web Development

09/2011 – 05/2014

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