Felicia Bacon

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⊛ SUMMARY

I'm a Software Engineer based in College Station, TX and Co-Creator of Nexus ⬀ , an open-source GraphQL tool. I have several years of experience in JavaScript/Node.js, Ruby, SQL, React, AWS and Docker. Previously I was studying to be an Architect and received my Associate of Arts in 2015.

⌨ TECHNICAL EXPERIENCE

2022 – present
Remote

Nexus, *Co-Creator & Software Engineer* ⬀
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.
- Resolved multi-source over-fetching and N+1 performance issues with dynamically generated custom GraphQL schema extensions and resolvers (GraphQL Mesh, YAML)
- Enabled the automation of GraphQL server generation by building a command line interface tool, drastically reducing manual configuration for the user (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)
- 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 case study: (https://nexus-graphql.github.io/ ⬀)
- Collaborated remotely with a team of 4 engineers across 3 timezones via daily standups and pair programming

2019 – 2022
Remote

Additional Open-Source Projects, *Launch School*
- RequestCloud - RequestBin clone for testing webhooks (React, PM2, Digital Ocean, Nginx, PostgreSQL)
- Airline Routes - Interactive map for viewing and filtering airline routes (React, JavaScript)
- Contacts - Application to add, edit, and delete contacts (JavaScript, HTML, CSS)

⛗ SKILLS

Back-end
Node.js, Express, Ruby, Go, MongoDB, RESTful APIs, Sinatra, SQL, PostgreSQL, GraphQL

Front-end
JavaScript, TypeScript, React, jQuery, GraphQL, Handlebars.js, HTML/CSS

Tools
Git/Github, Digital Ocean (VPS), AWS (EC2, Fargate, ECS, ECR), Heroku, Docker, Linux, HTTP

🎓 EDUCATION

2019 – 2022
Remote

Software Engineering, *Launch School* ⬀
Multi-year, mastery-based software engineering curriculum with rigorous written assessments and live coding interviews to develop problem-solving, technical skills and speaking skills.

2015 – 2016
San Antonio

Construction Science & Management, *University of Texas at San Antonio*

2012 – 2015
San Antonio

Associates of Arts, Architecture, *San Antonio College*
- Learned the fundamentals of design, technical drafting and architectural history
- Participated in several volunteer construction projects in multiple historic neighborhoods in San Antonio with San Antonio College and UTSA