

Michael P. Newman

📍 Miami, FL ✉ michael@mnewman.dev 🖱 mnewman.dev

Profile

Software engineer with hands-on experience in full-stack development and cloud architecture. Self-starter and continuous learner with a demonstrated record of success in fast-paced and evolving environments. Strong technical fundamentals and communication skills. Passionate about collaborating with teammates towards creative solutions.

Skills

Back End

TypeScript, Go, Ruby, Python, Node.js, Express.js, MongoDB, PostgreSQL, GraphQL

Front End

Asynchronous JavaScript, React, JQuery, Browser APIs, HTML, CSS, Material UI, Mantine

Cloud

AWS (EC2, ECS Fargate, EBS, CloudFormation, Lambda), Heroku, Digital Ocean, Nginx

Tooling

Git/Github, Linux, Bash, CI/CD, Docker Compose, Postman, Vite, NextJS, Jupyter, OpenAPI Spec

Professional Experience

Signet (<https://signet-framework.dev>), *Software Engineer* ↗ 2023 – present | Miami, FL

- Signet is an open-source framework for spec-driven contract testing of microservices and distributed systems
- Implemented a Go CLI to automatically generate service contracts by recording existing service tests, eliminating the need for developers to write new tests when adopting contract testing
- Created a back-end service integrating open-source tools to perform pre-deployment service compatibility tests (Express.js, PostgreSQL, OpenAPI Spec)
- Designed a real-time browser dashboard for interactive service data visualization (React, Vite, Server-sent events)
- Automated deployment by provisioning 24 cloud infrastructure components with one CLI command (Go, Docker Compose, AWS: ECS, Fargate, CloudFormation)
- Led a remote team of four engineers using an agile workflow to achieve aggressive development milestones
- Authored a detailed case study on Signet's challenges and design tradeoffs, available at signet-framework.dev ↗

Freelance, *Software Engineer* 2021 – 2023 | Miami, FL

- Developed full-stack web applications. Selected projects:
 - Apollo - Asynchronous execution tool for external API calls and data transformation (Node.js, Express.js, PostgreSQL)
 - RequestBinder - Real-time service for API/webhook development (Node.js, Express, React, MongoDB)
 - TalkAbout - Social media discussion platform (Ruby, Sinatra, Puma, ERB, PostgreSQL)

Deloitte, *MDP Tax Manager - Washington National Tax* 2015 – 2022 | Washington, DC

- Provided strategic guidance to technology companies, financial services firms, and UHNW individuals, analyzing intricate tax challenges and collaborating with multidisciplinary teams to optimize business outcomes
- Chosen as a top performer for highly selective Management Development Program to serve as a national subject matter expert on cross-border business issues
- Developed custom data-intensive quantitative models to guide decisions for complex cross-border transactions

Education

Launch School, *Software Engineering Capstone Program* ↗ 2021 – 2023
Multi-year, mastery-based software engineering curriculum

University of Florida Graduate Tax Program, *Master of Laws, Taxation* 2015

University of Florida Levin College of Law, *Juris Doctor* 2014

University of Florida, *Bachelor of Arts, Philosophy* 2011