

Michael Farina

Full-stack engineer with two+ years of experience

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Experience

Full-Stack Engineer - *InsurGrid*

May 2021 - August 2023

- Helping insurance agents efficiently collect policy documents for prospective clients, utilizing specialized scrapers to validate client credentials and share their policy information.
- Developed three main applications: a client management web app for insurance agents using React, a prospective client form using Next.js, and a scraping server built with NestJS.
- Successfully migrated the Next.js app to the new /app directory paradigm from the /pages directory paradigm.
- Technologies used: TypeScript, React, NestJS, Next.js, Electron, TailwindCSS, Playwright.

Full-Stack Engineer Intern - *Trellis*

December 2019 - June 2020

- Developed an administrative CRUD app using Ruby, Rails, Git, and PostgreSQL to manage plant growing requirements for an automatic greenhouse system.
- Built a script to automate the seeding of a local development database with data from a Google spreadsheet.

Projects

Drum Machine - sampler.mikeyfarina.com

- Designed and developed a rhythmic audio sequencer using JavaScript.
- Samples can be modified through the audio effect panel on each track using custom algorithmic effects.
- Technologies used: JavaScript, Web Audio API, HTML, and CSS.

Technical Skills

Languages

- *Proficient in:* JavaScript (TypeScript), CSS
- *Prior experience with:* Ruby, SQL, Java

Data Systems

- *Databases:* Postgres, MongoDB

Frameworks

- *Frontend:* Next.js
- *Backend:* Node.js, NestJS, Rails, Prisma

Operations

- *Version Control:* Git on GitHub
- *Deployment:* Vercel, Netlify, Heroku, Supabase

Education

B.S., Computer Science
Pace University, New York, NY

May, 2020