

# Nathan Foss

## Software Developer

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[GitHub](#) | [LinkedIn](#) | [Linktree](#)

### Summary

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I have always had an interest in making a social impact with technology, and this has led me into my career. I started out teaching highschoolers to build websites for clients and create their own personal portfolios and have ended up leading software engineer apprentices at Coding For Hermit Crabs, developing applications and curriculum for homeless youth to program. With my experience working in all phases of the software development life cycle, I'm now pursuing **full time or contract** roles in front-end and mobile software development, and am **open to relocation**.

### Top Skills

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**Programming languages:** JavaScript, Python, Ruby, Java, XML, HTML, CSS, PostgreSQL

**Libraries/frameworks:** React.JS, React Native, Django, Flask, Ruby on Rails, Material UI, Bootstrap

**Cloud applications:** Android Studio, Amazon Web Services(AWS), Firebase, Graphic/Web Design in Figma, Microsoft Excel

### Experience

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Software Engineer Apprentice, Coding For Hermit Crabs, 01/2023 - Present  
Part-Time

- Contribute code reviews and pull requests to the Coding For Hermit Crabs website - primarily using React and Django, as well as agile methodology, resulting in a static company Wordpress website being completely migrated to a full stack customizable application.
- Lead daily stand-ups so software engineer apprentices have direction and goal posts for weekly ticket assignments. Leading stand-ups tremendously frees up tasks on our Executive Director, allowing for a more stream-lined work environment for the team.
- Conduct personality and technical interviews, hiring a team of up to 9 software engineer apprentices within one month. This includes scheduling, follow-ups, writing up hiring-documents and answering questions for every single hiree.
- Design our software in all phases of the software development life cycle including functional analysis, development of technical requirements, technical design, prototyping, coding, building, testing, deployment, data migration, and support. Being hands-on in all stages of the life cycle helps organize the development process and achieve end-user satisfaction to the best possible extent, while allowing the continuous involvement of our Executive Director all throughout the project.

Web Development Instructor, Code2College, Part-time 12/2022 - Present

- Teach up to 7 students, in a 9-week course wave, the most up-to-date web development using online IDEs and Wordpress to guide each student in building their own personal portfolio as a Web Developer.
- Advise students how to strategically plan out project steps with wireframing, and analyze the details required to meet their client's project needs. Using what I taught them, students build a fully functional website for their assigned client at the end of the wave.

- Explain tips and reasonings to all 7 students behind how to structure a personal project portfolio, contact and about me page, resulting in all students building out their own portfolio throughout the 9-week course that they can show to employers for their next work opportunities.

## Side Projects

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Social Chat and Weather Mobile app

React Native, Expo, JavaScript, AWS,  
Weather API, Image API

Code available upon request, [Demo](#)

- Developed a WebSocket for live messaging between all users, reducing latency and enabling real-time updates to be displayed to users as soon as they are received.
- I was able to manage various RESTFUL APIs which allows users to dynamically see weather and air pollution data for cities in the US.
- Implemented user authorization using AWS cloud-native services for storing and updating all of our user data.

Mindful: Prescription Medication Tracker,  
Available

React, JavaScript, Ruby on Rails,  
PostgreSQL

Code available upon request

- I learned to create class based models to help users stay on schedule with their prescriptions
- Developed relational data models with a database deployed through Postgres SQL and render.com.
- Implemented authorization, authentication, validation and testing for operational stability.

## Education

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Flatiron School Software Engineering Bootcamp

09/2022 - 01/2023

- **Frontend Coursework:** Javascript Fundamentals, Object Oriented JavaScript, Intro to React, React: Components and Props.
- **Backend Coursework:** Ruby Fundamentals, Regex, PostgreSQL and APIs, Ruby on Rails, Data Structures and Algorithms.
- **Connect and support community:** Started a Discord to tutor and assist my current and incoming cohorts and homework, developed a readme and documentation around useful resources and guidelines for the course to assist newcomers, set up and proctored study sessions after class to improve student morale and outcomes.