

# NICK MURPHY

FULL STACK DEVELOPER

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## SKILLS

React.js, Redux, JavaScript, Node.js, HTML, CSS, Python, Flask, SQLAlchemy, Express, SQL, Sequelize, Render, Tailwind, Mapbox, Leaflet.js, Google Maps, Amazon AWS, Playwright

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## PROJECTS

**FootTracks** (Flask, SQLAlchemy, React.js, Amazon AWS, Tailwind.css, Mapbox, Leaflet.js) [Live](#) | [GitHub Repo](#)

- Implemented SQLAlchemy ORM in Python Flask to handle database operations for all features, such as likes, follows, and profiles, enhancing the user experience through optimized data handling.
- Integrated Leaflet.js and Mapbox APIs to create dynamic, interactive maps, allowing users to visualize their workout routes, and track their progress.
- Leveraged Tailwind CSS to design and develop a responsive user interface.
- Integrated AWS S3 to facilitate seamless image uploads, enriching user profiles and fostering engagement

**Plate-pal** (Flask, SQLAlchemy, React.js, Amazon AWS, Google Maps)

[Live](#) | [GitHub Repo](#)

- Integrated Google Maps API to display restaurant markers on an interactive map, providing a visually appealing representation of locations, enhancing user experience, and simplifying navigation.
  - Utilized ReactHooks for dynamic error management in various forms, enabling real-time validation and user feedback, improving user experience and promoting accurate data submission.
  - Collaborated within an Agile Scrum team of three engineers, using Git feature branches for version control and conducting daily standup meetings to review project progress, align goals, and ensure effective communication.
  - Integrated AWS S3 to facilitate seamless image uploads, enriching user profiles and fostering engagement
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## EDUCATION

Full Stack Development | App Academy

Oct 2022 – Apr 2023

Masters in Teaching in Secondary Education | Western Washington University

Jan 2016 – June 2017

Bachelor of Science in Mathematics | Western Washington University

Sep 2011 – Dec 2015

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## WORK EXPERIENCE

**Mathematics Teacher**

Aug 2020 – Jan 2022

Bishop Blanchet High School, Seattle WA

- Guided high school students in grades 9 - 12 through engaging instruction in Geometry and Calculus, fostering their mastery of mathematical concepts.
- Delivered effective instruction across online, hybrid, and in-person teaching settings by seamlessly integrating online learning technologies like Edpuzzle, Zoom, and Google Classroom to enhance student accessibility and track individual learning progress.
- Utilized versatile leadership skills to build team unity, tailor personalized training plans, and lead structured workouts for the Blanchet boys cross country team resulting in a Fall 2021 3A state title victory.

**Mathematics Teacher**

Sep 2019 – May 2020

Chancellors School, Brookmans Park UK

- Collaborated closely with fellow department teachers to orchestrate cohesive instruction and assessments, driving students' preparation and achievement in their GCSE exams.
- Revamped instruction for diverse settings—online and in-person. Leveraged Microsoft Teams for interactive online learning and conducted comprehensive outreach to support both academic progress and student well-being.