Melissa Michaud

North Arlington, NJ | +1 (201) 719-0372 | melissamichaud0319@gmail.com | GitHub | GitLab | LinkedIn | Portfolio

TECHNICAL SKILLS

Programming Languages: Python 3, JavaScript ES6+, Typescript, C#, SQL, HTML5, CSS
Front-End: React, Angular, DOM manipulation, Bootstrap
Back-End: Django 4, PostgreSQL, MongoDB, FastAPI, Docker, MySQL, ASP.NET, Entity Framework Core
System Design: Monoliths, Microservices, Test-Driven Design, Object-Oriented Program, GIT
Tools: Docker, Redis, RabbitMQ, Git, Jenkins, Octopus Deploy, Azure, PCF, Swagger, Postman, Splunk

PROFESSIONAL EXPERIENCE

Fiserv | *Jr. Software Engineer - Full Stack*   01/2024
Angular, Typescript, C#, ASP.NET, Javascript, Microsoft SQL, Postman, Swagger, Jira, Splunk, Octopus deploy, Pivotal Cloud Foundry
- Strengthened security for Fiserv's flagship bill pay applications by implementing robust XSS defenses, reducing vulnerability to exploits.
- Reduced deployment time by **40%** by automating CI/CD pipelines with Octopus Deploy.
- Optimized CheckFree Next API loading time by **30%**, significantly enhancing the performance of customer bill pay services.
- Integrated Redis Cache and RabbitMQ, enhancing system performance and ensuring scalability for high-demand applications.
- Mentored and led interns through ASP.NET web API development, fostering technical growth and ensuring project delivery ahead of schedule.

CVS Pharmacy | *Immunologist/ Pharmacy Technician*   2020 - 2022

PROJECTS

Code Connect | https://github.com/Melissamichaud1/code-connect   2024
React + Javascript, Node.js, Express, CSS, Sass, MySQL
- Developed CodeConnect, a comprehensive social media app tailored for software developers and designers, enabling collaboration on code, scheduling of hackathons, and conducting code reviews.
- Enhanced user engagement and productivity by creating a unified platform that supports dynamic interaction and project management among tech professionals.

SwapShop | https://github.com/Melissamichaud1/swapshop   2023
React + Javascript, FastAPI + Python, Docker, JSX, Tailwind, PostgreSQL, SQL
- Led a team of four to develop and launch an e-commerce app, designed critical features including authentication, user-specific interfaces, and advanced search functionality, significantly improving user experience and data management.
- Applied industry best practices such as Docker containerization, Test-Driven Development, and CI/CD pipelines via GitHub DevOps to ensure high-quality deployment and product reliability.

Community Connect | *Hack for Good Hackathon - JPMorgan Chase & Co*   2023
React + JavaScript, Bootstrap, Java, Axios, Spring, PostgreSQL, Postman
- Collaborated with a team of five to develop a multifaceted app for low-income individuals, handling front-end, back-end, and database components to facilitate community interaction and resource access.
- Leveraged technologies like Axios for asynchronous HTTP requests, and implemented agile methodologies to efficiently manage the project within a 12-hour timeframe.

EDUCATION

Hack Reactor, *Advanced Software Engineering Bootcamp - Python & Javascript*   02/2023
Mercy University, *Physician Assistant Program*   06/2022
New Jersey City University, *Bachelor of Science, Biology*   05/2022

ACHIEVEMENTS

Solved **200+ LeetCode problems**, strengthening algorithmic problem-solving and coding efficiency.

CERTIFICATIONS

UDemy, C# Basics & Intermediate - Classes, Interfaces, & OOP   02/2024
UDemy, *React - The Complete Guide 2023 (incl. React Router & Redux)*   08/2023
UDemy, *100 Days of Code: The Complete Python Pro Bootcamp*   09/2022