Wanda L. McCrae

New York, NY | wlmccrae@gmail.com | 347-619-2632 | linkedin.com/in/wmccrae | wlmccrae.wordpress.com

Technical Skills

Programming: Python 3, JavaScript ES6+, SQL, HTML5, CSS, Agile Methodology, Docker
System Design: Microservices, REST APIs, Domain-driven design, Monoliths, Message Passing, SaaS
Front-End: React.js, React Hooks, DOM Manipulation, Redux Toolkit, Bootstrap, Tailwind CSS, Chakra UI
Back-End: Django 4, JSON, FastAPI, PostgreSQL, RabbitMQ, Twilio, JSON Encoders

Application Development Experience

Front End Developer, Headline Editor | wlmccrae.github.io/headline-editor-ghpage   2024
- Deployed to GitHub pages, allowing users to search the NY Times archives by year and month and edit the headline for the selected article.
- Designed and styled the Single Page App using React.js, CSS, and Chakra UI.
- Integrated the NY Time archive API to receive articles for a given month based on user input.

Backend Web Developer, Tow Zone Alerts (Startup) | towzonealerts.com   2023
- Playing a key role in informally guiding the design of the backend architecture and APIs, fostering collaboration among team members to achieve a unified and effective solution.
- Collaboratively designing the PostgreSQL database and FastAPI-based microservice used for user account creation, authentication, and maintenance.
- Defining and documenting ubiquitous language as part of a collaborative effort to insure effective communication among team members.
- Supporting front end development as needed.

Front End Developer, Simple Weather | itstheweather.netlify.app   2023
- Deployed to Netlify, allowing internet users to get the local weather for any USA city.
- Designed and styled the Single Page App using React.js and CSS.
- Integrated 3rd party API calls to retrieve date/time, location, and weather information based on user input.

FullStack Developer, ShapeShifters | gitlab.com/512kma/module3-project-gamma   2023
Fitness meetup app.
- Designed and styled the Single Page App using React with Redux Toolkit and Tailwind CSS.
- Utilized FastAPI to query a PostgreSQL database and call our RESTful API routes.
- Implemented a PostgreSQL database to allow authenticated users to create, read, update, and delete event information.

Other Engineering Experience

Software Engineering Immersive Resident, Galvanize (New York, NY) - Remote   2023
- Provide one-on-one and small group technical and project management support to students.
- Conduct code reviews on students' project work.
- Be present during class time to answer questions or provide support to instructors.
- Share observations on student progress with the Cohort Leads and instructors.

Senior Hardware Engineer, Lockheed Martin (Syracuse, NY) and Telephonics (Farmingdale, NY)
- Developed and debugged production software for Xilinx, Actel, and Altera FPGAs, which were deployed in air traffic control and military aircraft radar systems.
- Coded and ran VHDL test benches to exercise production FPGA code.
- Participated regularly in code reviews.

Education

Hack Reactor, Advanced Software Engineering Certificate   2023
Syracuse University, M.S. Computer Engineering
New Jersey Institute of Technology, B.S. Computer Engineering