

Joseph McWhorter

Full-stack Software Developer

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Software Development Skills

Languages: Javascript, Python, HTML, CSS

Frameworks: React, React Native, Node.js, D3.js, Django, Flask, Docker, RabbitMQ

Databases: MySQL, PostgreSQL, Neo4j, MongoDB, Redis, Firebase

Platforms: AWS, Heroku, Digital Ocean

Tools: git, Github, Github Actions, Jenkins, Cypress.io, Jest

Professional Work Experience

Systematrix Solutions | Full-Stack Developer | Atlanta, GA Jan 2021 - Present

- Develop full-stack product for merchant penetration utilizing merchant geolocation, open source business intelligence, and large scale census data utilizing React, Django, Neo4j, MongoDB, MySQL, and Auth0
- Manage backend ETL processing pipeline for data collection, cleaning, and aggregation for machine learning model creation utilizing Docker, Python, Flask, RabbitMQ, MySQL, MongoDB, and Neo4j
- Create and implement the company's first CI/CD pipelines using Jenkins, Github Actions, and Cypress.io. Continue working on documentation and integrating development best practices to reduce bug creation and provide a better development experience
- Provide site reliability and on-call maintenance for legacy product with hundreds of users and TBs of data as a remote contractor for a large credit card company

Systematrix Solutions | Intern Full-Stack Developer | Atlanta, GA July 2020 - Jan 2021

- Designed and implemented scraping effort to extract millions of escort ad listings using Scrapy, MongoDB, Neo4j for tracking human trafficking and credit card fraud.
- Created and updated fraud detection dashboards in Django, D3.js, HTML, and Javascript for large financial clients

DigitalCrafts | Developer in Residence | Atlanta, GA Mar 2020 - July 2020

- Assisted students with little to no prior software experience understand software development principles in React, Node.js, PostgreSQL, Python, JavaScript, HTML, and CSS.
- Taught students how to deploy cloud native projects using AWS EC2 instances
- Taught algorithm practice sessions weekly and provided direct feedback on problem solving strategies and algorithm effectiveness.

Alevia | Full Stack Developer | Atlanta, GA April 2020

- Remote contract to build a proof of concept application utilizing React and Node.js.
- Designed and implemented core functionality of MVP product on a tight deadline.

Mimedx | Operations Team Lead | Atlanta, GA Oct 2017 - Feb 2019

- Managed and directly oversaw a biotechnology laboratory with 20+ processing technicians.
- Increased overall tissue yield by 40%, which reduced overtime hours from 25% to nearly zero.
- Converted tissue processing to be GMP compliant, which allowed Mimedx to sell products in overseas markets.

Mimedx | Tissue Processing Technician | Atlanta, GA Jul 2016 - Oct 2017

Copytalk Business Services | Quality Assurance Analyst | Athens, GA Feb 2016 - Jul 2016

Copytalk Business Services | Financial and Legal Transcriptionist | Athens, GA Apr 2014 - Feb 2016

Education

DigitalCrafts | Certificate in Software Engineering | Atlanta, GA Nov 2019 - Mar 2020

- Software engineering training program covering full-stack web development including JavaScript and Python with an emphasis on cutting-edge frameworks like React/Redux and server-side technologies including Node.js, Express, and PostgreSQL.

University of Georgia | B.S. in Genetics | Athens, GA Aug 2009 - Dec 2015

Accomplishments

- Hiked the 2,192 mile Appalachian Trail in 2019