

James Whyte

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EDUCATION

University of Maryland, College Park, Maryland

Bachelor of Science in Geographic Information Science with Computer Science specialization, Dec 2018

Related Coursework: Computer Systems, Data Structures and Algorithms, GIS, Web Programming, Statistics, Discrete Structures, Object-Oriented Programming

EXPERIENCE

FI Consulting, Rosslyn, VA

Software Developer/Data Engineer, Aug 2022 - present

- Utilized Python, Azure Cloud, Shell, JavaScript for the back-end and front-end of multi-billion-dollar federal funds application that processes, tracks, and monitors loan transactions for all U.S. jurisdictions
- Applied graph databases, retrieval augmented generation, and LLMs for internal information tool allowing employees to easily search for documents, create summaries, and ask questions. Built using Java, TypeScript, EC2, Docker
- Developed application for credit union using vector databases, AWS Cloud, NLP to allow better understanding of financial data: member relationships, fraud, money transfers, referral/sponsorships

GoDaddy, Fairfax, VA

Software Developer/Cloud Engineer, Oct 2020 – Aug 2022

- Worked on the design, development, and backend implementation of GoDaddy's revenue RestAPI. A system which handles millions of users. Languages used: Python, Java, SQL, Shell
- Exercised extensive use of Amazon Web Services, such as: AWS Lambda, AWS API Gateway, AWS CloudFormation, AWS DynamoDB, AWS EC2, AWS S3
- Created rigorous test suite: unit testing, integration testing, e2e testing, regression testing, functional testing, user-acceptance testing
- Created AWS CloudFormation templates for automating and testing multiple environments

ASRC Federal, Suitland, MD

GIS Technician, Jan 2019 – Oct 2020

- Modeled high-end linear features using QGIS/ArcGIS to match participant changes and increase automation and efficiency levels by 30%
- Identified errors in GIS data using Python, and PostgreSQL database to determine suitability
- Handled GIS data manipulation, maintenance, analysis and extraction duties

SKILLS

Technical: Backend development, Python, Algorithm design, Containerization, Java, JavaScript, TypeScript, OOP, API Testing, Networking, Version control, Software Development Life Cycle, Object-Relational Mapping, ETL, Refactoring, AWS Lambda, AWS DynamoDB, AWS API Gateway, AWS EC2, Relational Databases, Non-Relational Databases, Neo4j, JSON, YAML, Jenkins, NLP, CI/CD, Rest APIs, Flask, Django, Linux

Soft skills: Teamwork, Excellent communication, Interpersonal communication, Presentations