

Garrett McLaughlin

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Education/Certifications

The George Washington University

Computer Science (B.S), Concentration: Business

2020

AWS Solutions Architect Professional

2023

Skills

- Typescript, Python, Angular 2+, React, C#, HTML/CSS, ASP.NET MVC, Blazor, SQL (Postgres, Microsoft SQL Server), Arduino/Raspberry Pi, IT services, comfortable in Linux environments
- AWS (Lambda, S3, EC2, ECS, RDS, API Gateway, DynamoDB, Glue), Terraform/IaC, Azure DevOps

Experience

Software Engineer, Engie Impact

Boston, MA

- Led a 3-engineer, cross-platform initiative for migrating millions of calculation records from a Microsoft carbon-accounting engine into a new cloud-native platform, enabling real-time data access for enterprise users and clients
- Architected serverless ETL pipeline (AWS Lambda, S3, API Gateway, Express.js) that ingests, validates, and exposes millions of lines of emissions data
- Authored Terraform IaC modules to provision and monitor the entire stack (CloudWatch, RDS, IAM)
- Collaborated on the development of an in house carbon emissions calculation engine (AWS Glue/Lambda/RDS/Python) that reduced calculation times by 40%
- Closely collaborated with stakeholders (product, internal consultants, and end users) to ensure product success

2021-Present

Junior Software Developer, The Savings Bank Mutual Life Insurance Company

Woburn, MA

- Migrated legacy ASP.NET applications to ASP.NET MVC and Blazor, enhancing user experience and decreasing load times by ~25%
- Updated .NET API's given client requests for specialized information
- Went through further training in agile software development methodologies

2020-2021

Software Engineering Intern, Fidelity Investments

Smithfield, RI

- Worked in an internal software development team maintaining security and access standards company wide using Python/Typescript
- Developed interactive Angular web applications that streamlined internal security audits
- Learned about and utilized agile software development methodologies

Summer 2018

IT Assistant, J. Derenzo

Brockton, MA

- Used skills in Python to improve automation for various company IT services
- Developed skills in systems administration and install
- Solved daily IT problems typical for a medium sized company

Summers 2015-2017

Additional

Language Skills: English/Spanish

Projects/Other Work: see at garrettmclaughlin.me or github.com/MrGarrett45