

Garrett McLaughlin

New York, NY | garrettmclaughlin1980@gmail.com | garrettmclaughlin.me

Skills

- Javascript (Typescript), Python, Angular 2+, React, HTML/CSS, .NET (C#, ASP.NET MVC, Blazor, LINQ), SQL (Postgres, Microsoft SQL Server), NoSQL (DynamoDB), Node.js, Git/Github, comfortable in Linux environments
- AWS (Lambda, EC2/ECS, RDS, API Gateway, Glue/PySpark), LLM Integration, Terraform/IaC, Docker/Containerization

Experience

Software Engineer, Engie Impact – Boston, MA 2021 – Present

- Led 3-engineer cross-platform migration of millions of carbon-calculation records from a Microsoft engine to a cloud-native stack, unlocking real-time data access for enterprise users and clients
- Architected a serverless ETL (AWS Lambda, SQS, S3, API Gateway, Express) pipeline to ingest/validate/expose millions of emission lines, improving pipeline reliability and shortening data availability from batch to near-real-time
- Launched a tenant-aware LLM assistant (OpenAI, pgvector) over Postgres, enabling natural-language analytics on emissions data and cutting analyst tickets ~25%
- Authored Terraform modules (RDS, IAM, CloudWatch) to provision/monitor the entire stack, cutting manual ops/drift and standardizing infrastructure across environments
- Co-built an in-house emissions engine (Glue/Lambda/RDS/Python(PySpark)) that reduced calculation times by ~40%, enabling faster client reporting cycles
- Built and optimized React/Angular dashboards for client emissions reporting, improved client experience by adding virtualized tables, drill-downs, pagination, saved views, and export abilities
- Closely collaborated with stakeholders (product, internal consultants, end users) to ensure product success

Junior Software Developer, The Savings Bank Mutual Life Insurance Company – Woburn, MA 2020 – 2021

- Modernized legacy apps to ASP.NET MVC/Blazor, improving page load ~25% and elevating UX on core customer workflows
- Extended .NET APIs for specialized client data requests, reducing manual reports and accelerating turnaround for business teams
- Worked in Agile sprints (code reviews, demos) to increase delivery predictability and tighten feedback loops

Software Engineering Intern, Fidelity Investments – Smithfield, RI Summer 2018

- Maintained enterprise security/access tooling in Python/TypeScript, supporting company-wide compliance and smoother access audits
- Built interactive Angular dashboards that streamlined internal security audits, cutting manual checks and surfacing anomalies earlier
- Practiced Agile delivery (standups, grooming, retros) to ship features on a fixed timeline

IT Assistant, J. Derenzo Company – Brockton, MA Summers 2015 – 2017

- Automated routine IT tasks with Python to reduce manual tickets and speed up service requests for a mid-size workforce
- Handled systems admin and onsite installs, maintaining high network uptime
- Solved daily IT problems typical for a medium sized company

Education/Certifications

The George Washington University – B.S. in Computer Science (Concentration: Business) 2020

AWS Solutions Architect Professional 2023

Additional

Language skills: English/Spanish

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