

Michael G. Smith

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[LinkedIn](#) | [GitHub](#) | [Portfolio Website](#)

Summary

Senior Software Engineer with nearly 8 years of experience in cloud automation, infrastructure design, and full-stack development. Proficient in AWS, Azure, Python, React, and JavaScript. Impact includes automating workflows, accelerating deployments with CI/CD pipelines, and migrating large-scale data to modern cloud infrastructures.

Skills

Languages: Python, JavaScript, TypeScript, HTML, CSS, PowerShell, Bash, SQL

Technologies & Tools: AWS (Lambda, DynamoDB, S3, API Gateway, Step Functions, EC2, CloudFront, CloudFormation), Azure (Functions, Resource Manager, RBAC), Docker, Terraform, Git, GitHub, ReactJS, Next.js, Angular, REST APIs, Figma, Agile, Confluence

Work Experience

General Electric - Buckhead, GA

May 2022 - Present

Senior Software Engineer

- Queried **big data** from **over 150 subscriptions daily** by designing an automation app to consolidate data for an AWS-native API; using Resource Graph and Azure Functions to enhance analytics and monitoring.
- **Mitigated processing** of support tickets **by 65%** by leading a serverless authentication service that automates end-user API and UI access to a custom cloud tool; using Lambda, API Gateway, and SES.
- Engineered an **employee lifecycle management** workflow that **reduced 80% of manual** onboarding and offboarding; automating RBAC and enhancing security compliance using Step Functions and DynamoDB.
- Supported **Docker** containerization for **12 React apps simultaneously**, boosting team productivity, consistent development environments and **shortened deployment times by 30%**.
- Executed critical database migrations by **migrating close to 30k records** during a company restructure. Maintained system uptime while updating applications and documentation to support team adaptation.
- **Decreased 25% of vulnerabilities** by leading a team of junior developers to audit codebase discrepancies on the front-end by resolving bugs to improve functionality and enhance user experience.
- Automated **continuous integration** for web apps by designing a **CI/CD** pipeline using AWS CodePipeline, EC2, CloudFront and S3; resulting in automated testing, reliable software delivery and faster deployments.

General Electric - Buckhead, GA

October 2017 - May 2022

Software Engineering Specialist

- Enabling real-time analytics for **over 20 business units** through a KPI dashboard using **Angular** and TypeScript to deliver operational improvements.
- Improved system performance at **an increase of 40%** by collectively deploying managed infrastructure for **over 1,300 accounts** with Terraform and Azure DevOps Pipeline.
- **Developed a Python bot for AWS auditing**, ensuring accounts were in the correct Organizational Units. Automated compliance checks to flag misaligned accounts, improving management and security.
- Implemented a **cost-saving initiative** by identifying legacy Azure resources to migrate and align with product model or compliance standards; reduced expenses minimizing abandoned/unclaimed resources.
- **Minimized decommission times by 75%** by scripting an automation tool in Bash for Azure subscriptions; removing no longer needed resources which lowered unnecessary billing costs.
- Maintained detailed documentation in GitHub and **Confluence** to support custom services and tools, enabling improved knowledge sharing and seamless onboarding for new members

General Electric - Buckhead, GA
Network Engineer (Automation) Intern

February 2017 - September 2017

- Configured Cisco switches/routers with port security, SSH, TCP/UDP, IP protocols, subnetting, routing, and ACLs.

Year Up United - Atlanta, GA
Desktop Support Technician

September 2016 - July 2017

- 500+ hours of hands-on experience, providing computer support for diagnosis, repair, maintenance and upgrades.

Education

Year Up United - Atlanta, GA

Technical Certificate - Computer Information Science, *July 2017*

Volunteer Experience (Non-Profit)

Watch Tower Bible and Tract Society - WallKill, NY

September 2007 - Present

Public Speaker & Campaign Coordinator

- Participated in monthly volunteered community service
- Public speaking training since the age of 14
- Led teams for campaign projects to meet scheduled deadlines

Caaptivating Seniors Foundation - Greenville, SC

July 2024 - Present

Seminar Volunteer

- Participated in teaching senior citizens about the danger of cyber attacks
- Helping seniors to increase their technical savviness