

Steven T. McGown

Github: [StevenMcGown](#) | US Citizen | [LinkedIn](#) Website: [smcgown.com](#)

EDUCATION

University of South Carolina - Columbia, SC (Fall 2016 - Spring 2021)

B.S Computer Information Systems | Minor: Business Information Management

WORK EXPERIENCE

Duke Energy - Associate DevOps Engineer (November 2021 - Present)

AWS Core Team - Enterprise Support Team

- Collaborated with customer product teams to create AWS accounts for various application architectures
- Delegated AWS account permissions with Identity Access Management (IAM) and Service Control Policies (SCP)
- Troubleshooting AWS service and network connectivity issues, resolving developmental impediments in Concourse CI/CD pipelines
- Maintained sensitive credentials and secrets with Vault and CyberArk

AWS Core Team - Engineering Team

- Followed agile and DevOps best practices to plan, execute and deliver
- Developed and tested cloud infrastructure for AWS using Terraform IaC (Infrastructure as Code) and Postman
- Improved internal documentation for training new hires
- Improved automation using python, bash and Golang

Signet Seal - DevOps Engineer Intern (September 2021 - November 2021)

- Tech used: CI/CD, Github, Git CLI, Docker, Docker Compose, Makefiles, React, Agile, Trello, pair-programming, CORS, AWS CLI, AWS CDK, Python, NodeJS, Material UI, JavaScript, HTML, CSS, cryptography, AWS Serverless

Dominion Energy - Infrastructure Analyst Intern (Summer 2019)

Enterprise Server Team

- Manual/Automatic virtual deployment and retirement of RHEL and Windows servers
- Wrote tools to assist in automation using Powershell
- Fulfilled support tickets for front-end development using HTML and CSS
- Helped maintain on-prem infrastructure, ran network diagnostics

PROJECTS

- [The Local Egg](#)
 - A serverless web app designed to connect users with local farmer's markets. Improves web developer experience by utilizing the [3 Musketeers](#) pattern. Created with NextJS, MUI, CloudFront, S3
- [Cloud Resume Challenge](#)
 - Angular Framework, HTML, CSS, JavaScript, AWS(AWS SAM, Lambda, DynamoDB, S3, Route53, CloudFront), CORS, Python, GitHub Actions.
- [Capstone Project: Chatbot](#)
 - Angular Framework, Google Dialogflow, Google Firebase
- [Security of IoT constrained devices](#)
 - Considered the security of encryption algorithms used for constrained IoT devices such as SLEA, AES, ECC, Hummingbird-2 and future research areas such as quantum walks.
- [Notable Github Projects](#)
 - Python: Naive RSA encryption, Quadratic Sieve, Beginner OOP and Intermediate Python concepts, Motion detection using CV2, DuoLingo word translator using GCP Sheets, web scraper using BeautifulSoup
 - Java: OOP Design Patterns (Decorator, Factory, Iterator, Observer, Command, Singleton, State), 3D game engine using OpenGL and LWJGL, Team Programming Assignment: CrimeFinder

BLOG POSTS : dev.to/stevenmcgown

- **Docker for Dummies** - 30,000+ views, 434 reactions
- **Kubernetes for Dummies** - 30,000+ views, 629 reactions
- **OpenShift for Dummies - Part 1** - 2200+ views, 33 reactions
- **OpenShift for Dummies - Part 2** - 1000+ views, 7 reactions
- **The Cloud Resume Challenge** - 148 views, 5 reactions

RELEVANT COURSEWORK

Algorithmic Design, Blockchain Business Application, Computer Hardware, Cyber Security, Database Design, Programming, Software Development, Website UI, Marketing, Public Speaking, Consumer Behavior

SKILLS

- Amazon Web Services (AWS): S3, EC2, IAM, Lambda, CloudFormation, CloudFront, CloudWatch, CloudTrail, DynamoDB, Route 53, VPC, SNS, Cognito
- Google Cloud Platform (GCP): Firebase, Dialogflow, Maps, Calendar, Sheets, Translate
- UI/UX: Angular, React, NextJS
- OS: Windows XP - 10, Mac, Android, iOS, Linux: Ubuntu, Kali
- Java, Python, C++, C#, HTML, CSS, Javascript, JSX, SQL, R, Bash, TypeScript, PowerShell
- Git: Version control, CI/CD with GitHub actions and S3
- Unit testing with pytest and JUnit
- Docker and Kubernetes with Kubectl and Minikube, OpenShift basics

VOLUNTEER WORK

Eagle Scout - Troop 1 (Summer 2016)

- Eagle Scout Project: Collected and reviewed 4,000+ books to create a school library for Bridge's Preparatory School in Beaufort SC. Leader to scouts from ages 11 - 18.

CERTIFICATIONS

- **AWS Certified Solutions Architect Associate** - (April 2022)
- **AWS Certified Cloud Practitioner** - (June 2021)
- **Testout PC Pro** - Beaufort, SC (March 2016)
- **Red Cross Adult and Pediatric First Aid/CPR/AED** (January 2020)