

Michael Palmer

hire@michaeldpalmer.com

PERSONAL STATEMENT

Fast-paced AWS-certified software engineer with over seven years of experience building bleeding-edge tools and automation to service cloud and networking infrastructure.

SKILLS

- Extensive cloud experience with AWS (5+ years) and Azure (2+ years)
- Advanced proficiency (5+ years) with Python, Go, React, CSS, SQL
- Understanding of database technologies, including DynamoDB, MongoDB, PostgreSQL, MySQL, and Redis
- Robust understanding of technologies, such as Ansible, Docker, Kubernetes, Terraform, and Serverless
- Comprehensive knowledge of networking and security

PORTFOLIO

- [General Electric: How We Saved Ourselves From Drowning in a Sea of Hardware MFA Tokens](#) (YouTube)
- NET305: NetDevOps: A modern approach to AWS networking deployments (AWS re:Invent 2021 session)
- Scoutr - <https://github.com/GESkunkworks/scoutr>, <https://github.com/MichaelPalmer1/scoutr-go>
- Gossamer3 - <https://github.com/GESkunkworks/gossamer3>

PROFESSIONAL EXPERIENCE

GE CoreTech, Atlanta, Georgia July 2021 - Present

Staff Software Engineer, Cloud Hosting Team

- Lead networking redesign project to revamp how we connect from on-premise to AWS/Azure
- Design a disaster recovery solution for communication between cloud and on-premise
- Architect Ansible pipelines to perform networking migrations on AWS accounts with zero networking downtime
- Develop services to enable business unit cloud migrations

GE CoreTech, Atlanta, Georgia May 2019 - July 2021

Senior Software Engineer, Cloud Hosting Team

- Developed scalable Kubernetes-backed Go microservice ordering platform with approval workflows for internal business units to order products and services, as well as view relevant documentation
- Provisioned AWS/Azure accounts with networking and security controls
- Built tools/services/bots to enable our team to govern cloud for all of GE
- Enhanced cloud asset management API with open-source RBAC-focused wrapper (scoutr)
- Enhanced internal serverless virtual MFA management system
- Co-developed open-source Go tool (gossamer3) to enable SAML + MFA logins to AWS
- Oversaw the weekly identity deployments of AWS IAM and service control policies to hundreds of accounts company-wide

GE CoreTech, Atlanta, Georgia March 2018 – May 2019

Enterprise Application Engineer, Managed Cloud Team

- Founding member of the Managed Cloud Operations team
- Designed automation for infrastructure running on AWS
- Implemented logging, monitoring, and alerting systems using Prometheus, Grafana, Elasticsearch, Logstash, and Kibana
- Developed a serverless solution to deploy and maintain AWS IAM resources across hundreds of accounts

Morris Technology, Statesboro, Georgia October 2016 – March 2018

Senior Solutions Developer

- Full stack development of browser-based SaaS applications using Django, Python, HTML, and SCSS
- Oversee weekly production deployments
- Design new application infrastructure, deployment, and monitoring strategies
- Manage on premise Prometheus server for metrics collection of production applications
- Created highly-available production Kubernetes cluster in AWS and led the application migration process
- Deployed on premise XenServer cluster for internal applications

www.michaeldpalmer.com

Morris Technology, Statesboro, Georgia August 2016 – October 2016
Junior Solutions Developer, Team Lead

- Performed full stack development of browser-based SaaS applications using Django, Python, HTML, and SCSS
- Utilized AWS, Docker, continuous integration (GitLab CI), and continuous deployment (Ansible + Jenkins)
- Oversaw training of part-time developers
- Served as a liaison between junior and senior developers

Morris Technology, Statesboro, Georgia January 2016 – August 2016
Junior Solutions Developer

- Built mobile and web applications using Django and Ionic
- Explored production use cases for Docker in company application infrastructure and designed proof of concept

The Home Depot, Atlanta, Georgia May 2016 – August 2016
Intern

- Created a web-based tool that enables store managers to quickly understand how accounts in their profit and loss statements are performing and provide a means to take corrective action
- Collaborated with a small agile team to develop the frontend and backend of an investor relations interface using Angular, Spring Boot, and MySQL
- Integrated REST service to perform single sign on authentication
- Deployed new and existing Java applications to company cloud infrastructure
- Utilized pair programming to both teach and learn from co-workers

BMW Manufacturing Company, Greenville, South Carolina May 2015 – December 2015
Intern

- Implemented a scalable pilot project which consolidates production data from multiple systems, performs calculations, and displays the critical information on web reporting dashboards
- Utilized the agile development model and communicated with business users in Germany on a daily basis
- Enhanced business awareness of the status of their processes to reduce the risk of production downtime

BMW Manufacturing Company, Greenville, South Carolina January 2014 – August 2014
Intern

- Developed and implemented multiple business applications in production
- Learned about IT project management using the waterfall development model
- Revised existing solutions to reduce liability and increase efficiency

EDUCATION

Georgia Institute of Technology, Atlanta, Georgia GPA: 3.27
Master of Science in Computer Science May 2021

Georgia Southern University, Statesboro, Georgia GPA: 3.71
Bachelor of Science in Computer Science, Minor in Information Systems May 2017

CERTIFICATIONS

- AWS Certified SysOps Administrator – Associate November 2018 – November 2021
- AWS Certified Solutions Architect – Professional June 2021 – June 2024
- AWS Certified Solutions Architect – Associate May 2018 – June 2024