

# Matt McMahon

703-687-6111 | Washington D.C | [Website](#)  
[Email](#) | [LinkedIn](#)

## PROFILE

Results-driven Software Engineer and CI/CD Engineer with expertise in crafting scalable solutions, optimizing MarTech platforms, and leading cloud migrations. Adept at deploying modern technologies like Python, Java, and cloud platforms (AWS, Azure, GCP) to deliver measurable outcomes. Proficient in advanced methodologies such as Infrastructure as Code (IaC), serverless computing, containerization, and CI/CD practices, ensuring innovation and operational excellence. Demonstrates a strong command of data visualization, machine learning, and DevOps to optimize performance, security, and customer engagement. Collaborative problem solver with a proven ability to align technology with strategic business goals.

---

## CORE COMPETENCIES

- **Programming:** Python, Java, JavaScript, C#, C++, Node.js, Angular, React.js
  - **Cloud Computing:** AWS, Azure, GCP; S3, EC2, Lambda, Azure Functions
  - **DevOps & CI/CD:** Terraform, Jenkins, Git, CloudFormation, Docker, Kubernetes
  - **Data & Analytics:** SQL, NoSQL, Power BI, R, Tableau, ML/NLP, A/B Testing
  - **Web Development:** HTML, CSS, Vue.js, Django; RESTful APIs, Microservices
  - **Infrastructure & Security:** IaC, Serverless Architecture, Networking in the Cloud
  - **Agile Development:** Scrum, Version Control (Git), Software Architecture Patterns
- 

## PROFESSIONAL EXPERIENCE

### SOFTWARE ENGINEER – MARTECH TEAM

*Galatea Solutions, Reston, VA*  
Nov 2021 – Present

- Engineered an **event-driven architecture** using Python and JavaScript, reducing data integration time by 40%.
  - Optimized targeted marketing campaigns through **A/B testing**, achieving measurable increases in conversion rates.
  - Led a **cloud migration** to AWS, Azure, and GCP, reducing infrastructure costs by 30% through Docker and Kubernetes.
  - Developed a **machine learning-powered personalization engine**, increasing customer engagement via hyper-personalized content.
  - Streamlined platform interoperability by designing RESTful API gateways with **serverless computing** on AWS Lambda.
  - Established automated **CI/CD pipelines** using Jenkins, Git, and Terraform, reducing deployment errors and accelerating time-to-market.
- 

### CI/CD ENGINEER – MIGRATION TEAM

*ICES, Fairfax, VA*  
Jan 2020 – Sep 2021

- Designed robust **CI/CD pipelines** with Jenkins, GitLab CI/CD, and GitHub Actions, reducing deployment times by 50%.
- Migrated seven legacy applications to cloud platforms, cutting operational costs by 35% and enhancing performance.
- Automated cloud provisioning with **Terraform**, reducing setup time by 60%.

# Matt McMahon

703-687-6111 | Washington D.C | [Website](#)  
[Email](#) | [LinkedIn](#)

- Implemented **containerization and orchestration** with Docker and Kubernetes, increasing scalability and resource efficiency.
  - Delivered dynamic serverless solutions with AWS Lambda and Azure Functions, reducing latency and costs.
- 

## SOFTWARE DEVELOPER | ICES, Arlington, VA (Aug 2016 – Jan 2020)

- **Python & Full-Stack:** Built back-end services and front-end interfaces with Python, Java, C++, React.js, and Angular in Agile environments.
  - **GIS Project (Angola):** Led a geospatial initiative mapping county borders in Angola, using **ESRI's ArcGIS** and Python (ArcPy) to analyze language-based datasets and create interactive maps.
  - **Advanced GIS Integration:** Developed custom scripts to process shapefiles, merge multi-layer spatial data, and optimize rendering times for large-scale geospatial projects.
  - **Database Management:** Deployed and fine-tuned SQL/NoSQL databases, improving query performance and data throughput.
  - **Collaboration & Delivery:** Coordinated with cross-functional teams, refined project requirements, and deployed final applications on time.
- 

## MARTECH ANALYST

*Deltek, Herndon, VA*  
*May 2017 – Dec 2017*

- Enhanced campaign ROI by 20% through statistical analysis and experimental design.
  - Developed data-driven marketing strategies using SQL, R, and Tableau for targeted customer segmentation.
- 

## WEB DEVELOPER

*WWI Centennial Commission, Herndon, VA*  
*Aug 2015 – Jun 2016*

- Delivered responsive web applications, adhering to accessibility standards and optimizing web performance.
  - Implemented mobile-first design principles and integrated robust RESTful APIs.
- 

## EDUCATION

- **M.Sc. in Computer Science** – George Mason University, Fairfax, VA (2022)
  - **B.Sc. in Economics & B.A. in History** – George Mason University, Fairfax, VA (2017)
- 

## AWARDS & HONORS

- Economic Science Institute Presidential Scholar: Awarded \$194,000 for academic excellence.

# Matt McMahon

703-687-6111 | Washington D.C | [Website](#)  
[Email](#) | [LinkedIn](#)

- GMU OSCAR Grant: Recognized for research excellence.
- 

## VOLUNTEER EXPERIENCE

- **Board Member, Friends Wilderness Center** (2015)
- **Board Member, Alale Children Center, Kenya** (2018 – Present)