

Derek Elliott

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Experience

- March 2020 – Current **Software Developer III, BlackSpoke, Springfield, VA**
- Acted as technical, and DevOps lead on multiple government projects
 - Provided operational support for multi-tenant cloud environment
 - Developed management scripts to reduce cost and ensure compliance with security controls
 - Developed custom CI/CD pipelines for infrastructure as code projects
 - Developed permission policies for cloud based services to grant least privilege
 - Provided deployment and functional testing support during customer defined testing events
 - Developed new functionality for and maintained large scale data dissemination service
- July 2019 – March 2020 **Data Scientist, Elder Research, Inc, Arlington, VA**
- Acted as technical, and development lifecycle lead on multiple government projects
 - Worked closely with government clients to identify and remediate security concerns
 - Maintained legacy analytic reporting desktop application
 - Developed custom analytic reporting dashboards
 - Developed multiple data cleaning and analytic REST based microservices for analyzing financial and text based data
 - Architected a custom and extendable ETL and analytics pipeline
- July 2016 – July 2019 **Staff Technologist - Data Scientist, Booz Allen Hamilton, Alexandria, VA**
- Developed scalable streaming ETL pipeline
 - Developed container orchestration service focusing on short lived stateless services
 - Developed a scalable analytic framework with data fusion and mapping
 - Developed multiple analytic algorithms as REST based microservices and Spark applications
 - Worked closely with government clients to develop and refine a long-term development roadmap
 - Acted as ScrumMaster and Technical Lead for a team of nine developers
 - Reviewed and managed merge requests from over ten development teams
 - Developed specialized CI/CD pipeline for cross domain deployments to secure networks
 - Lead multiple client-facing meetings each week for a program of over 120 developers
- May 2015 – July 2016 **Security Specialist, AppRiver, Gulf Breeze, FL**
- Developed multiple scripting tools to facilitate anti-virus rule coding
 - Developed accurate pattern recognition and forecasted future patterns based on historical data
 - Coded anti-virus rules to block malicious email campaigns using regular expressions
 - Analyzed features and functions to ensure desired results in mitigating spam email campaigns
 - Created dynamic email filtering rules on demand

Skills

- Python, Golang, Java, Scala, Groovy, Bash, Typescript, SCSS
- Angular 8, Flask, Eclipse Jetty, Apache Tomcat, Apache httpd, Nginx
- PostgreSQL, Oracle, ElasticSearch, Redis, Elasticsearch, Apache Kafka, Apache Spark, Apache Nifi, Databricks
- Amazon Web Services, Google Cloud Services, Mesos, Marathon DC/OS, Kubernetes
- Docker, Git, Maven, Jenkins, SonarQube, HP Fortify, Nexus, Gitlab CI/CD, Terraform
- Agile, SAFE, Scrum, Jira, Confluence, Excel, Microsoft Office Suite
- Clustering Algorithms, Regression Algorithms, Convolutional Neural Networks for Image Processing, Anomaly Detection
- Microsoft Windows Vista, 7, 8, 10, OS X, Arch, Ubuntu, CentOS, and RHEL based operating systems

Certifications

- Certified ScrumMaster
- AWS Certified Solutions Architect - Associate

Awards

- Basic Training Honor Graduate - 2009 - United States Air Force
- First Year Impact Award - 2017 - Booz Allen Hamilton

Security Clearance

- Top Secret/SCI with Counter Intellegance Polygraph - 2019 to present

Education

Aug 2014 **Bachelor of Science, *Mathematics***, University of Nebraska at Omaha, Omaha, NE