

Derek Elliott

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Experience

March 20 – **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 and maintained large scale data dissemination service

July 19 – March 20 **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 16 – July 19 **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 15 – July 16 **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

Jan 09 – Jan 11 **Cryptologic Linguist(Mandarin Chinese), United States Air Force.**

- Developed multiple custom scripting tools to facilitate learning and retention
- Provided ad-hoc technical support to teammates
- Lead production and updating of computer based training and presentations
- Supervised a team of eight Airman
- Achieved basic fluency of Mandarin Chinese in 63 weeks

Skills

- Python, Golang, Java, Scala, Groovy, Bash, Typescript, SCSS
- Angular 8, Flask, Eclipse Jetty, Apache Tomcat, Apache httpd, Nginx
- PostgreSQL, Oracle, ElasticSearch, Redis, Elasticache, 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

Education

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