Simon Milburn

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EDUCATION

Bachelor of Science, Computer Science   December 2016
University of Maryland, College Park, MD
- Inducted member of Environment, Technology, and Economy Scholars Program
- Upper-level concentration in GIS

WORK EXPERIENCE

Environmental Systems Research Institute (ESRI)   May 2022 - Present
DevOps Engineer II
- Create and maintain CI/CD Jenkins pipelines
- Support new software releases for internal teams
- Set up portable endpoint monitoring with EKS and Prometheus Blackbox Exporter
- Migrate legacy monitoring dashboards to Grafana
- Replicate infrastructure to new regions for data compliance

Capital One   July 2019 - May 2022
Software Engineer
- Develop new features, test, and deployments for multiple internal production apps
- Monitor and manage EC2, S3, RDS and DynamoDB infrastructure for production apps
- Develop, provision, and maintain Lambdas for batch processes, Elasticsearch maintenance, and log scanning
- Create and maintain CI/CD Jenkins pipelines for Terraform deployments
- Backend logs vulnerability scanning using Fluentd

Lockheed Martin, Space Systems Company   January 2017 - June 2019
Software Engineer
- Designed and implemented components for communications payload manager (CPM) for JSAT-17 satellite program with small team
- Produced GIS visualizations for LEO constellation contract proposal from customer-provided data
- Designed and ran tests relating to fail-over and infrastructure for CPM
- Implemented call access controller (CAC) in LTE stack
- Ran and debugged regression tests for development builds of LTE eNB

SKILLS

Certifications: AWS Certified Solutions Architect - Associate
Languages: Go, Java, Python, Typescript
Software Technologies: AWS (EC2, S3, RDS, Lambda, SQS, Kinesis, DynamoDB, EKS), Git, JIRA, Fluentd, ElasticSearch, Kibana, Kafka, Splunk, Terraform, Docker, Grafana, Jenkins, Snowflake, Spring, Hibernate, Enterprise JavaBeans, JBoss, JUnit, Angular JS, Autodesk Fusion 360