Derek Avery

Software Engineer

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LinkedIn
https://linkedin.com/in/averydl

GitHub
https://github.com/averydl

Website
http://averydl.com

Languages

Proficient:
- Go
- Java
- Python

Experience with:
- Bash
- C/C++
- SQL
- JavaScript, HTML, CSS

Technologies
- AWS
- Docker
- Kubernetes
- Git
- Make

Education

Bellevue College

Sep. 2018 - June 2020
- Computer Science (BS),
  Magna Cum Laude

University of Washington

Sep. 2013 – June 2017
- Civil Engineering (BSCE)
- Chemistry (BS)
- Biochemistry (BA)

Experience

Visa - Software Engineer   *Oct. 2020 - Present*
- Implements back-end features in Go using technologies including Docker and Kubernetes, and developer tools including Make and Git
- Writes unit tests for all new and modified code to maintain minimum code coverage and allow automated testing in the existing CI pipeline
- Works in an agile scrum team operating in three-week sprints, including participation in code review via Bitbucket, and issue/bug tracking using Jira
- Writes technical documentation and usage guidelines for new features in the internal Confluence wiki

NBC News - Data Engineer (Contract)   *May 2020 - Oct. 2020*
- Implemented AWS application utilized by over 100 internal users, with functionality including:
  - generating audience segments for targeted notifications reaching >1M active mobile app users
  - sending real-time notifications to users when new content is published internally, or by certain competitors
  - sending alerts to inform users when viewership of certain content exceeded a configurable threshold
- Developed and maintained ETL pipelines to ingest data from internal and external sources via AWS; ingestion pipelines were implemented using software including Spark and Airflow
- Implemented and automated queries at the request of internal stakeholders to obtain insights from ingested data

NBC News - Software Engineer Intern   *Jan. 2020 - May 2020*
- Developed software in agile kanban team, participated in daily stand-up meetings, and used Git and Jira for version control/issue tracking
- Implemented cloud-based software using AWS services including Lambda, SNS, DynamoDB, Athena, Glue, EMR, and S3
- Documented project specifications and implementation details for team review and reference

Visa - Software Engineer Intern   *June 2019 - Sep. 2019*
- Successfully designed and implemented full-stack intern project using React.js, Go, Docker, and Kubernetes
- Followed Agile development methodology including two week sprints, daily standup meetings, and issue tracking with Jira
- Wrote technical documentation including project specifications, high- and low-level design, and implementation details
- Gave presentations/project demonstrations to both technical and non-technical staff