

Damon Myers

Location: Portland, OR

Phone: 432-257-7656

Email: damon.shane.myers@gmail.com

GitHub: @damon-myers

PROFILE

Experienced Staff Software Engineer with a 10-year track record solving business problems with software. Demonstrates expertise across the entire stack, proving himself with technologies such as Apache Spark for distributed data processing, C++ for military simulations, and Angular for web user interfaces. Accelerates team velocity and improves collaboration by promoting industry best practices, effective communication, and automated testing. Enjoys partnering with Product Management to translate use cases into technical requirements, collaboratively delivering outstanding software solutions.

WORK EXPERIENCE

Staff Software Engineer Action

📅 09/2023 – 07/2024 📍 NEW YORK, NY (REMOTE)

- Designed and built scalable tools in Scala Spark, PySpark, and Airflow to support ingestion pipelines for hundreds of datasets ranging in size from tens of gigabytes to tens of terabytes.
- Implemented automated system testing framework for customer dataset deployments, resulting in a reduction of 1000 hours/year of manual QA effort.
- Led a team of 3 engineers in the development of a Scala Spark test framework to identify data inconsistencies between Parquet datasets and datasets in a proprietary data format.
- Maintained and built features for Java Spring Boot REST APIs running on AWS EKS that provided data cataloging and medical code search.

Senior Software Engineer Action

📅 03/2022 – 09/2023 📍 NEW YORK, NY (REMOTE)

- Led a team of 5 software engineers in the development of a configuration-driven data ingestion pipeline in Airflow and PySpark, removing the need for custom transformation SQL for each dataset.
- Optimized Elasticsearch indexing configuration and cluster scale, resulting in an annual cost reduction of \$400,000.
- Implemented a framework for integration testing of Spark application features, significantly decreasing the occurrence of defects in production.
- Developed code review guidelines to foster fast, collaborative, and productive code reviews.

Senior Software Engineer LegitScript


📅 12/2020 – 02/2022 📍 PORTLAND, OR (REMOTE)

- Led the design and implementation of an ingestion pipeline for aggregating microservice datasets into a Data Lake and a GraphQL Data Abstraction Layer for querying from the Data Lake. Utilized AWS DMS, PySpark, Node.js and AWS Lambda.
- Developed and implemented a high-performance website data gathering pipeline, capable of crawling and ingesting 500,000 websites daily, utilizing TypeScript, AWS Step Functions, Lambda, and EventBridge.
- Led the maintenance and enhancement of a horizontally scalable web crawler, operating in a Kubernetes cluster hosted on AWS EKS.

WORK EXPERIENCE

Software Engineer


LegitScript

11/2018 – 12/2020  PORTLAND, OR

- Designed, implemented, and maintained an efficient ETL process, streaming 2.5 billion changes per month from MySQL to Elasticsearch. Effectively scaled the Elasticsearch cluster to handle tens of terabytes of data.
- Utilized AWS Sagemaker to train and deploy Machine Learning models, achieving an accuracy rate of 97% when categorizing websites by HTML analysis.
- Participated in the development and maintenance of a high-performance REST API, handling an average of 150,000 daily requests.
- Implemented UI features within an existing web application by learning and utilizing Angular 6 and RxJS.

Junior Software Engineer


PLEXSYS

09/2017 – 11/2018  CAMAS, WA

- Executed the design and implementation of both frontend and backend components for a text chat application in C++ and Qt.
- Utilized C++, Qt, and Object-Oriented Design principles to develop and improve desktop-based military simulation applications.

GIS Developer

City of Odessa

08/2014 – 08/2016  ODESSA, TX

- Designed and built web mapping interfaces for data visualization and analysis using the ArcGIS for Javascript API.
- Automated GIS database administration with Python and the ArcPy site package.

SKILLS

① PROGRAMMING LANGUAGES

Python



Scala



Java



C++



TypeScript



① DATA

Apache Spark



SQL (MySQL, Postgres)



Elasticsearch



S3



Redis



① DEVOPS

AWS



Kubernetes



Docker



bash/zsh



GitHub Actions




Terraform



EDUCATION

Computer Science | B.S.

University of Texas of the Permian Basin

06/2014 – 12/2016  ODESSA, TX

Activities and societies: Association for Computing Machinery