Ryan Mellmer

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Portfolio: www.ryanmellmer.com

Education: Bachelor of Computer Science, Portland State University graduated 2017.

Professional Experience:

Software Engineer - Machine Learning Automation
Plixer LLC, Kennebunk, ME (Remote)   January 2020 – Present

- Led initiative to develop and deploy supervised and unsupervised machine learning models and automatic retraining pipelines.
- Deployed applications packaged as Docker containers orchestrated by Kubernetes on vSphere, AWS EKS and Azure AKS.
- Programmed new microservice applications (Scala and Golang) to fit in the machine learning pipeline (backed by Kafka for data transmission and ElasticSearch as database).
- Managed CI/CD pipelines to build machine learning applications and infrastructure.

Software Engineer – Backend Automation Pipeline
Intel/McAfee Cybersecurity, Hillsboro, OR   March 2016 – December 2019

- Created new tools (C# .NET framework) to improve system efficiency and accuracy.
- Maintained and worked extensively with large-scale MongoDB and SQL Server databases.
- Led initiative to develop new machine learning pipeline automation project.
- Developed various web services (APIs) and rapid prototype web applications.

Software Development Intern
ON Semiconductor, Gresham, Oregon   March 2015 – March 2016

- Developed a range of different web-based applications using C#, ASP.NET, and JavaScript. Debugged and tested programs for correctness and stability.
- Interfaced with large-scale SQL databases including Oracle and SQL Server.

Skills

Architecture: Docker, Kubernetes, Terraform, REST APIs, cloud-native architecture

Backend Programming Languages: Go, Scala, C#, Python, Java, Node

Databases: PostgresDB, MariaDB, SQLServer, MongoDB, DynamoDB

Web Development Languages: React, PHP, HTML, CSS, JavaScript, Bootstrap, TailwindCSS

References Available Upon Request