Ryan Mellmer

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Professional Experience:

January 2020 – Present – Plixer LLC - Software Engineer (Machine Learning Automation)

Plixer LLC, Beaverton, OR
- 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. Utilized Helm to deploy on Kubernetes.
- Programmed new REST API microservice applications (Java, Scala, and Golang) to fit in the machine learning pipeline (backed by Kafka for data transmission and ElasticSearch as database). Includes creating data ingestion pipelines.
- Used CI/CD tools pipelines to build machine learning applications and infrastructure.

March 2016 – December 2019 – Intel/McAfee - Software Engineer

Intel/McAfee Cybersecurity, Hillsboro, OR
- 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 Data/ML platform.
- Deployed applications to public cloud platforms (AWS, Azure, GCP)
- Developed various web services (APIs) and rapid prototype web applications.

March 2015 – March 2016 – On Semiconductor - Software Development Intern

ON Semiconductor, Gresham, OR - *MECOP Internship*
- Developed a range of different web-based applications using C#, ASP.NET, and JavaScript. Debugged and tested programs for correctness and stability.
- Leveraged statistical analysis to optimize warehouse part ordering frequency saving the company thousands of dollars in excess inventory kept on hand.
- Interfaced with large-scale SQL databases including Oracle and SQL Server.

Education:

Bachelor of Science (B.S.) in Computer Science at Portland State University

Skills:

Architecture: Docker, Kubernetes, Helm, Terraform, REST APIs, AWS, Azure, GCP

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

Databases: PostgresDB, MariaDB, SQLServer, MongoDB, DynamoDB

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