

Ryan Mellmer

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Portfolio: www.ryanmellmer.com

Professional Experience:

January 2020 – Present – Plixer LLC - Software Engineer – ML Data Pipelines

Plixer LLC, Beaverton, OR

- Designed and deployed containerized workloads in production utilizing Kubernetes (K8s) running in various environments (AWS, Azure, and GCP). Defined infrastructure as code (IAC) with Terraform and Ansible.
- Developed new distributed ML and AI applications in Go / Golang, Python (with scikitlearn) and Java (using Apache Spark) to fit in the machine learning pipeline with Kafka for data streaming and ElasticSearch for long-term storage.
- Extensive use of RDB systems (Postgres SQL, MySQL, etc) creating new schemas and SPs.
- Refactored legacy codebases and converted them to be cloud-native applications.
- Created and managed CI/CD pipelines in GitLab.

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

Intel/McAfee Cybersecurity, Hillsboro, OR

- Led initiative to develop a new Data/ML pipeline application.
- Created new backend applications (C#, C++, and Python) to improve system efficiency and accuracy. Deployed to both on-prem and cloud (AWS, Azure)
- Maintained and worked extensively with large-scale MongoDB and SQL Server databases including ETL work.
- 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, SQL Server, and MySQL.

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, MySQL ElasticSearch, SQLServer, MongoDB, DynamoDB

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