

Ryan Mellmer

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Professional Experience:

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

Plixer LLC, Beaverton, OR

- Designed and deployed containerized workloads in production orchestrated by Kubernetes running in the cloud (AWS, Azure, and GCP). Defined infrastructure as code (IAC) with Terraform.
- Developed new distributed Machine Learning applications in Java (using Apache Spark), Python (with scikitlearn) and Go to fit in the machine learning pipeline (backed by Kafka for data transmission and ElasticSearch as database). Deployed as Docker containers.
- Worked with RDB systems (Postgres SQL, MySQL, etc).
- 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

- Created new tools (C#, C++, and Python) to improve system efficiency and accuracy.
- Maintained and worked extensively with large-scale MongoDB and SQL Server databases including ETL work.
- Led initiative to develop new Data/ML pipeline project.
- Deployed applications to public cloud platforms (AWS and Azure)
- 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