**Ryan Mellmer**

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Portfolio: [www.ryanmellmer.com](http://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-naitive 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