**Ryan Mellmer**

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Portfolio: [www.ryanmellmer.com](http://www.ryanmellmer.com)

**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 microservice applications (Java, Scala, and Go) 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.

**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 machine learning pipeline automation project.
* 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.
* Interfaced with large-scale SQL databases including Oracle and SQL Server.

**Education:**

**September 2012 – March 2016 – 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