

# Ryan Mellmer

Phone: 503-502-3461

Email: [ryanmellmer@gmail.com](mailto:ryanmellmer@gmail.com)

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

## **Education:**

Bachelor of Computer Science, Portland State University graduated 2017.

## **Professional Experience:**

**Owner** - January 2023 - Present

*Northwest Web Pros LLC* ([northwestwebpros.com](http://northwestwebpros.com)), Beaverton, OR

- Created custom full-stack websites using Next.js and React for clients.
- Customized Wordpress sites, both frontend and backend.
- Leveraged CSS modules and SASS to style react components.
- Developed REST API backends in Node

**Software Engineer - Machine Learning Automation**, January 2020 - Present

*Plixer LLC*, Kennebunk, Maine (Remote employee)

- 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.
- Programmed new microservice applications (Scala and Golang) 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.

**Software Engineer**, May 2017 – Present (as needed)

*Threeprong LLC*, Oregon City, OR (Independent contractor)

- Developed various websites for clients using a variety of frontend and backend frameworks, including React, PHP, Phalcon, and plain HTML + CSS + Javascript.
- Customized Wordpress websites both frontend and backend.

**Software Engineer - Applied Intelligence Pipeline**, March 2016 – December 2019

*Intel Security/McAfee*, Hillsboro, Oregon

- Created new tools (C# .NET framework) to improve system efficiency and accuracy.
- Maintained and worked extensively with large-scale MongoDB and SQL Server databases.
- Leveraged BootstrapCSS, ASP.NET, and JavaScript to develop a new web-based dashboard to monitor the system's health.
- Developed various web services (APIs) and rapid prototype web applications.
- Worked on an automated machine learning pipeline integrated within our automation system.

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## **Software Development Intern, March 2015 – March 2016**

*ON Semiconductor, Gresham, Oregon*

- Developed a range of different web-based applications using C#, ASP.NET, and JavaScript. Debugged and tested programs for correctness and stability.
- Maintained product-line and engineering databases along with troubleshooting engineer systems.
- Interfaced with large-scale SQL databases including Oracle and SQL Server.

## **Skills**

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

Databases: PostgresDB, MariaDB, SQLServer, MongoDB, DynamoDB

Architecture: Docker, Kubernetes, Kafka, REST APIs, microservices, cloud-native architecture

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

**References Available Upon Request**