

Javier Peralta

SOFTWARE ENGINEER · ML ENTHUSIAST

Bellevue, Washington, US

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Summary

Software Engineer with experience in backend and front-end development, currently at Microsoft. I have a strong interest in machine learning and clean code, and enjoy learning programming languages such as **Rust** and **Haskell**. In my previous roles, I have worked on projects such as a code plagiarism detector, where I quickly became the team's **C#** expert. I'm seeking a challenging role where I can apply my skills and continue to grow as a developer.

Skills

Programming · C# · Python · Java · JavaScript · Rust
Technologies · .NET · Azure · SQL · PyTorch · NumPy · Linux · MacOS
Languages · Spanish · English

Experience

Microsoft (Engineering Systems RnD)

Redmond, Washington

SOFTWARE ENGINEER

Feb. 2020 - Present

- Improved internal Engineering Systems service for *Open-Source Code* detection in *Inner-Source Code*, resulting in a 4x increase in our capacity to run scans.
- Streamlined codebase by upgrading deprecated dependencies, removing dead code, and consolidating duplicate code.
- Co-led design and implementation of automation for our OSS Detection service. Implementing API endpoints in **Azure** using **Azure Web Jobs**, **Azure Functions**, **Azure Storage Containers** and **Azure Service Bus**
- Ensured compliance with Service Health metrics for OSS Detection service.
- Contributed to organization-wide migration to **.NET 6.0** from **.NET Framework**, collaborating with cross-functional teams to identify and address compatibility issues.

Oracle Mexico Development Center

Guadalajara, Mexico

SOFTWARE ENGINEER

Jul. 2015 - Apr. 2017

- Developed web applications for Oracle Management Cloud - Enterprise Manager using **Backbone.JS**, creating, testing, and optimizing data visualizations for Target-Analytics.
- Implemented *Unit Tests* and *Integration Tests* using **Selenium** to identify and address performance bottlenecks in the application.

Quadev (Startup)

Cuernavaca, Mexico

SOFTWARE DEVELOPER

Aug. 2013 - Jun. 2015

- Developed **Java EE** applications and created Rich Internet Applications using **Apache Flex** for the Front-End.
- Collaborated with a team to build an application for SAGARPA, a Mexican government agency.
- Led the internal effort to migrate the technology stack to **Java Spring**, resulting in a more efficient and maintainable codebase.

Education

CIMAT (Centro de Investigacion en Matematicas · Research Center in Mathematics)

Guanajuato, Mexico

M.S. IN COMPUTER SCIENCE

Aug. 2017 - Dec. 2019

- Got a Scholarship given through CONACYT
- Did not graduate · Unfinished Thesis
- Worked on finding **shape descriptors** for radio galaxies through classical statistical models and image analysis as well as through:
 - Convolutional Neural Networks · Auto Encoders · Generative Adversarial Networks

ITESM (Instituto Tecnologico de Monterey · Technological Institute of Monterrey)

Cuernavaca, Mexico

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Aug. 2009 - Dec. 2013

- Got a Scholarship given to students with high GPA

Projects

SKIVIEWMODS

A tool to add new sky surveys to **SkyView** by injecting new *ImageFactory* classes to the **SkyView** JAR