

Emilio Rivera Macías
Jr. Software Engineer
Engineering in Computer Systems Graduate



Personal Information

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About Me

I'm a determined person who is constantly looking to acquire knowledge, improve my skills and learn new technologies to become a high-value professional in the software development industry. I'm an extroverted person that enjoys socializing, meeting new people and communicating with my partners and friends. Also, I enjoy exercising, going out to hang out with my friends or traveling to the mountains for a hike, making me a very proactive and adventurous person.

Technical Skills

- Ample experience programming with C# .NET Core using ASP.NET MVC, ADO.NET (Entity Framework), LINQ, Razor and Blazor for RESTful API and web applications projects. Additionally, some experience with .NET MAUI for desktop applications.
- Ample experience programming with Python for Back End development using Django, Django REST Framework, Flask and SQL Alchemy ORM for RESTful API projects and MVC applications.
- Considerable experience with JavaScript and Typescript for Front End development using React, React Native, Astro, Next.js, Vue.js. Similar experience with HTML and Tailwind for styling.
- Ample experience programming with C/C++ using STL, POSIX library and Linux API. In addition, some experience with ESP-IDF.
- Substantial experience using Linux OS and experience with Shell Scripting.
- Considerable experience with Postman and Swagger for testing and documenting API endpoints.
- Considerable experience with SQL, PostgreSQL, MySQL and SQLite.
- Experience with CI/CD workflow with Git, Gitflow, GitHub, GitHub Actions, containerization with Docker, deployment with AWS and development using Visual Studio, VS Code and Neovim.

Experience

Engineering Repository API – 2023

Managing, designing and development of an API as the backend for the engineering repository for the IBERO Puebla community.

Mobile Apps for FISAIR Air Humidity Control – 2023

Collaborated on the designing and development of a mobile application for FISAIR Puebla.

Appointment Management Desktop App – 2024

Designing and developing an appointment management system for a nutrition clinic.

Web Development – 2024

Collaborated on the designing and development of multiple web pages and a web application for various clients as a freelance developer.

Certificates

- **Developing AI Applications with Python and Flask**
 - IBM & Coursera, June 2024
- **Hands-on Introduction to Linux Commands and Shell Scripting**
 - IBM & Coursera, June 2024
- **Python for Data Science, AI & Development**
 - IBM & Coursera, June 2024
- **Introduction to Agile Development and Scrum**
 - IBM & Coursera, June 2024

Education

Universidad Iberoamericana de Puebla, 2020-2024

Engineering in Computer Systems

- Graduated in November 2024
- I finished studying Engineering in Computer Systems with an average of 9.51.
- Former member of the “MES” Representative Student Council for the Computer Systems, Mechatronics and Electronics Engineering careers.
- Former Webmaster and member of the executive committee of the IBERO Puebla’s IEEE student branch.
- Outstanding score in the EGEL Plus Software Engineering Exam.

American School of Puebla, 2005- 2020

- I achieved an average of 9.57.
- I studied the IB program.
- Former member of the Honor Society and Scientific student groups.
- Obtained a score of 623 in the TOEFL ITP Exam.

Languages

Spanish: Native Speaker.

English: Advanced Level.

Aptitudes

- Leadership
- Confident
- Observation
- Great Communication
- Organized
- Initiative
- Active Learning
- Adventurer

Location

- Puebla, México
- Relocation Availability