

Erick Garcia Flores

SOFTWARE DEVELOPMENT ENGINEER

As a dedicated software developer with over 6 years of experience, I am driven by the challenge of crafting seamless user experiences and robust web applications. My journey in the tech industry has been guided by a deep commitment to writing maintainable, high-quality code and a passion for UX design and web development. What truly sets me apart is my agility in learning; I thrive on rapidly mastering new technologies and methodologies to solve complex problems. I am eager to contribute to a team that shares my values of innovation, quality, and continuous improvement. For a deeper dive into my projects and to explore my hobbies, which fuel my creative approach to software development, I invite you to visit my website.



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WORK EXPERIENCE

Prime Air Engineer Amazon Corporation

08/2020 - Present Seattle, WA
Changing the lives of customers by building a package delivering infrastructure on the air through drones.

Role

- Led the development of a critical UI service for FAA drone flight test validations; pioneered Docker for automated development leading service automation and enhancing testing in simulated environments.
- Managed complex logistics and coordination for a pioneering drone project fostering team collaboration while integrating cutting-edge technology to meet strict aviation standards.
- Elevated software practices in an orchestration team, leveraging domain expertise to improve code quality and system stability through advanced testing protocols and incident management.

Contact : Rene Mader - rpmader@amazon.com

Full-stack Angular Developer Applied Materials

06/2019 - Present Phoenix, AZ
Worked with a remote team in the Semiconductor industry on a ETL and data analysis tool. Technologies used are Angular, Java, and virtualization. Migrated legacy tool to Angular 8 employing latest industry standards

Contact : Alex Pai - alex_pai@amat.com

Service Information Developer II DXC Technology

03/2018 - 05/2019 El Paso, TX
Develop, maintain and test healthcare portals (MMIS Applications). Understand the business and technical aspect of the healthcare industry. Fixing security exploits in most of healthcare portals in the US

Contact : Oswaldo Perez - oswaldo.perez@dxc.com

Product Platform V&V Intern Intel Corporation

2017 - 2018 Hillsboro, OR
Verification and validation on processors with the following technologies: WinForms UX Design, C# WCF protocols, unit testing and mock testing.

Contact : Tristan Hanson - tristan.hanson@intel.com

Graduate Research Assistant The University of Texas at El Paso

01/2014 - 03/2018 El Paso, TX
Performing research in the fields of Semantic Web, Data Mining, and Ontologies.

Contact : Doctor Natalia Villanueva - nvillanuevarosales@utep.edu

EDUCATION

Master of Science – Software Engineering The University of Texas at El Paso

2017 - 2018 3.44

Specialization

- Cyber secure systems

Bachelor of Science – Computer Science The University of Texas at El Paso

2014 - 2016 3.33

Minor

- Mathematics

TECHNICAL SKILLS

Programming Languages

Kotlin, Typescript, Java, C#, PHP, Python, MySQL, SPARQL, Oracle, MongoDB, OWL (Ontology), AWS (CDK), React, Angular, Redux

Proficient in Core AWS Services:

Skilled in deploying scalable AWS applications (EC2, S3, RDS, Lambda) with a focus on availability, security, and performance, leveraging CloudWatch and CloudTrail for monitoring and logging.

DevOps & Automation:

Proficient in CI/CD pipelines (AWS CodeBuild, CodeDeploy, CodePipeline, CDK) for streamlined cloud management.

Security & Cost Optimization

Strong grasp of security best practices with IAM, encryption, and AWS security services.

Patterns & Methodologies

SOLID (Clean code), Agile Development & SCRUM, User-first design, Test-driven development, MVC, MVVM, Singleton, Factory, Redux

LANGUAGES

English ● ● ● ● ●
Spanish ● ● ● ● ●
日本語 Japanese ● ● ● ● ●