


# Jose Gualberto Monfortte

MEXICO - 238 395 18 30 [jose.gual.monfortte.f@gmail.com](mailto:jose.gual.monfortte.f@gmail.com)PORTFOLIO: [WALMONFORTT.COM](https://walmontfortt.com)

## PROFILE

Software engineer specialized in full-stack and mobile development (Python, React.js, Node.js, Astro, Dart, Flutter, TypeScript, JavaScript, AWS). I've worked across diverse industries including healthcare, consumer electronics, unified communications, and architecture. I enjoy building reliable, user-friendly applications and taking part in projects that make an impact.

Strong communicator, team player, and problem solver, always curious and ready to learn. I value clear goals, clean code, and collaboration.

## PROJECTS

**GANAC - Website** - Non-Profit Organization: <https://ganac.org.mx/>.

- Developed a responsive web for GANAC organization dedicated to supporting children and young adults with cancer in Sinaloa Mex.

**Tech Stack:** Astro, JS, Css, Firebase Analytics, Openpay, git



## EXPERIENCE

SENIOR SOFTWARE ENGINEER, – HEWLETT-PACKARD – 12/2022 - CURRENT

**Summary:** HP is a global technology company that provides personal computers, printers, and related services. It focuses on innovation to help individuals and businesses thrive in the digital world.



- Built a Python desktop agent to automate OS app actions, supporting automated testing for around 40 video and audio testers.
- Improved internal web interface with JavaScript and React to manage plant info and HR notices for over 3000 employees.
- Managed CI/CD pipelines with Jenkins to automate builds and deployments, improving release speed and reducing errors.
- Developed and executed automated tests using Pytest, increasing test coverage by 30% and accelerating defect detection.

**Tech Stack:** Python, React 19, Javascript, Typescript, Astro, Tailwind, Material UI, Jenkins, CI/CD, Pytest, HTML, CSS, Selenium, Android Debug Bridge (ADB), Xcode, Swift, Git, C++, C#, Agile, Scrum.

SOFTWARE ENGINEER – 12/2021 - 12/2022

**Summary:** Poly creates high-quality audio and video solutions that enhance communication and collaboration in hybrid work environments.



- Developed REST API with Node.js and Javascript to replace UI testing, reducing false negatives by 50% and increasing test coverage.
- Built Python API to expand test support from 3 to 30 device models, increasing automation and reducing manual work.
- Automated internal Flutter app testing using Dart and Flutter testing tools, integrating tests into CI pipelines for reliable releases.

- Integrated TestRail with automated tests to make test management easier and improve communication across the team.

**Tech Stack:** Nodejs, Javascript, Python, Rest APIs, Flutter, Dart, TestRail, Git, Agile, Scrum.

SOFTWARE DEVELOPER – 12/2020 - 12/2021

**Summary:** Dynamic Solutions is a software development company offering digital strategies, creative design, and marketing services to elevate brands and drive sales.



- Helped integrate Autodesk SDK with React to render architectural plans in browsers, improving user experience within 2 months.
- Built backend with Node, Express, and TypeScript to handle users and data, lowering response times and improving stability.
- Implemented GraphQL APIs to optimize data queries, increasing frontend performance by 40% and improving user interactions.
- Managed and optimized PostgreSQL databases to ensure fast, reliable access to high-volume application data.

**Tech Stack:** TypeScript, React(Router, Redux..), Node, GraphQL, ObjectARX, HTML, React, Node, Typescript, Expressjs, Javascript, Rest APIs, Postgres, Router, Redux, ObjectARX, Autocad, Autodesk, SDK, HTML, CSS, Git, Agile, Scrum.

## STACK & SKILLS

**Development:** Python, React, JavaScript, TypeScript, Node, Express, Astro, Tailwind, Material UI, HTML, CSS, Flutter, Dart, Router, Redux, Swift, C++, C#, ObjectARX, Autocad, Autodesk, SDK.

**Databases:** PostgreSQL, MongoDB

**Additional tools:** Jenkins, CI/CD, Pytest, Selenium, Android Debug Bridge (ADB), Xcode, Git, TestRail, Agile, Scrum.

**Cloud technologies:** Amazon Web Services (AWS).

## EDUCATION

UNIR – Master's in Software Engineering and Computer Systems | Computer Science - **Current**

Academlo - FullStack web development - **2022**

Tecnológico de México - Industrial Engineer - **2018**

## LANGUAGES

**English:** Highly proficient

**Spanish:** Native

## OTHERS

SCRUM Master certification - Udemy: Dart, Flutter, Web