

QA & Android Developer

Emmanuel Avila

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Android Developer and QA Engineer with experience in the creation and maintenance of mobile applications using Kotlin and Android Studio. I also have experience in software testing with tools such as Postman, Selenium, Equivalence classes and Boundary Values. I work effectively in collaborative environments, contributing ideas and solutions in development. I am committed, responsible, patient and determined to find the best solutions to any requirement. I am passionate about continuing to grow, improve and contribute to my teams so I continuously keep learning.

TECHNOLOGIES

Android Studio - Kotlin - Flutter - Postman - Selenium (Python)

SKILLS

- Teamwork - Self-starter - Communicative - Customer orientation - Analytical thinking - Process integration - Continuous improvement - Time management

EXPERIENCE AND PROJECTS

QA Engineer - Busmen

April 2024 – Currently

I developed and executed over 100 tests on different endpoints of the Busmen Routes API, which performs the connection between the database and mobile application.

- I created a checklist to assure testing of principal functions.
- I created and executed test cases according to the checklist to ensure correct functionality using Postman.
- I found 13 bugs and sent an error report with pertinent information to help the development team to fix them before they were sent to production.

I performed functional tests on the module "Nueva Ruta", which creates the routes visible in mobile applications.

- I created and executed test cases to ensure the correct functionality of principal functions.
- I checked form fields using the techniques of: Boundary values and Equivalence classes
- I report 5 bugs with the pertinent information for reproducing errors and help the development team to fix them.
- I also gave recommendations for a better user experience and quality of the product.

I developed and conducted manual tests for the "Routes visualization" screen which receives information from the routes created in the "Routes Fact" platform.

- I created test cases and executed them to assure its correct functionality.
- I conducted configuration testing such as: Screen rotation, low speed internet, testing various screen sizes using **Android Studio Emulators**
- I send reports to the development team with steps to reproduce errors and complementary information to fix them.

Android Developer - Busmen

November 2022 – Currently

As an android developer I have worked on the creation of 3 Android applications from concept to deployment and provided ongoing maintenance for 6+ additional apps, ensuring optimal performance and user satisfaction.

Application Rutas Busmen with more than 1000 users where they can visualize the route, stops and real position of their transport unit.

- I developed the entire user interface and functions such as consumption from APIs (REST and Google Maps).
- I take advantage from MVVM architecture for this project
- Connection to socket GPS information.

Application Operadores Busmen is a unit and user address tracking application developed with the Flutter framework.

- I developed the UI from an existing design and created its functionalities like sockets connection and APIs consumption (REST and Google Maps).
- Use of Provider state manager.
- Connection to socket GPS information.

Instaladores Busmen is a mobile application for evidence collections of GPS installations; Developed with the Kotlin language.

- I create forms with the option to upload images from the gallery.
- I developed a GPS operation verification screen through connection to information sockets and Google Maps.

Maintenance, bug fixes and upgrades of applications in production.

- Geo Rastreo - Busmen Usuarios - Asignaciones Rutas - Geo Operadores - Servicios Busmen

Store [Geovoy](#)

EDUCATION

Boot Camp TripleTen; México

2024 - Finished

Ing. Sistemas Computacionales; ISU Universidad, México

2023 – Intern

Boot Camp Henry; Argentina

2022 - Finished

Ing. Mecánica Eléctrica; Universidad de Guadalajara, México

2017 – Bachelor Degree

IDIOMS

English B1.