

Andrés Felipe Arango Rodríguez

Is a Systems Engineer graduate from Universidad de Medellín with over six years of experience. He has honed his skills by developing various applications for research groups at Universidad de Medellín as well as collaborating with companies in the world. Proficient in Android . He thrives on tackling challenges, possesses a strong aptitude for learning, and excels in collaborative environments. An avid programming enthusiast, he is deeply committed to crafting clean code and adhering to best practices.

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Experience

Medell��n Sep 2023 - Present	<ul style="list-style-type: none"><li>Senior Android <b>Blankfactor</b><ul style="list-style-type: none"><li>I collaborated with cross-functional teams to conceive, design, and execute innovative features and enhancements using <b>Artificial Intelligence (AI)</b> and best practices specifically tailored for Android at <b>ITEL Labs</b>. I utilized technologies such as <b>OpenCV, TensorFlow, XML, Retrofit, Dagger</b>, and <b>RxJava</b>, and was responsible for application production deployments.</li><li>I led the Android team in the development of a banking SDK, integrating the latest technologies and adhering to best design practices and clean code principles. This allowed us to create a robust, scalable, and efficient SDK for mobile banking applications. I demonstrated extensive knowledge in <b>architecture design, design patterns</b>, and technologies such as <b>Jetpack Compose, Kotlin DSL, Kotlin, CI/CD</b>, and <b>Unit Testing</b> using <b>JUnit</b> and <b>Mokk</b>, as well as Snapshot testing using the <b>Roborazzi</b> library.</li><li>As Android Lead, I demonstrated leadership and project management skills, effectively driving project timelines using agile methodologies. This enabled quick adaptation to changing requirements and continuous product improvement, ensuring the consistent delivery of value. Additionally, I made key decisions in the application architecture design, integrating tools such as GitHub Actions for CI/CD automation. I selected appropriate testing technologies and used tools like SonarQube to ensure code quality, maintain the application error-free, and ensure its long-term maintainability.</li></ul></li></ul>
Medell��n Feb 2021 - Sep 2023	<ul style="list-style-type: none"><li>Senior Android Developer <b>Globant S.A.S</b><ul style="list-style-type: none"><li>I developed and maintained robust mobile applications, including a custom solution for the SME <b>Seasoned</b> and the <b>NogginX</b> app for <b>Paramount</b>. I utilized advanced architectural patterns such as <b>MVVM</b> with the <b>Jetpack package</b> and explored cutting-edge technologies like <b>Jetpack Compose</b> to build modern and efficient interfaces.</li><li>In certain projects, I applied technologies such as <b>Koin</b> for dependency injection and <b>GraphQL</b> for efficient data querying, which improved the performance and scalability of the application. I also implemented solutions with <b>Retrofit</b> and <b>Room</b> for local storage and <b>Data Store</b> for secure and efficient data management. In other projects, I worked with technologies such as <b>Kotlin DSL, EXOPlayer</b>, and <b>Firebase</b> for data management.</li><li>I strengthened interpersonal skills and team collaboration, significantly improving team productivity and project outcomes through effective communication and leadership, fostering an efficient and cooperative work environment.</li></ul></li></ul>
Medell��n, Colombia Apr 2019 - Feb 2021	<ul style="list-style-type: none"><li>Android Developer <b>Flores el Capiro S.A</b><ul style="list-style-type: none"><li>I developed and maintained mobile applications from scratch using the <b>MVP</b> and <b>MVVM</b> architectural patterns, focusing on Kotlin to ensure robust development. I implemented <b>Dagger Hilt</b> for dependency injection (DI) and utilized <b>Jetpack Compose</b> along with <b>Clean Architecture</b> for efficient and scalable code structure.</li><li>I integrated libraries such as <b>Zebra</b> for peripheral connectivity via <b>Bluetooth</b>, enabling the applications to run on <b>PDAs</b> and <b>printers</b>. Additionally, I worked on developing API services using <b>Django</b>, ensuring seamless interconnection and scalability across platforms.</li><li>I implemented dynamic web frontend interfaces using <b>React</b> with <b>JavaScript</b>, specifically for reports generated by the mobile applications.</li><li>I had the opportunity to lead the Android team, facilitating agile project management, leading sprints, and ensuring effective collaboration within cross-functional teams. As a result, we were able to track the flower planting status all the way through to its exportation via the application, improving traceability and process efficiency.</li></ul></li></ul>
Medell��n, Colombia Oct 2017 - Nov 2018	<ul style="list-style-type: none"><li>Java Android Developer <b>Universidad de Medell��n</b><ul style="list-style-type: none"><li>I led the development of multiple Android applications from scratch for research groups using Java, including applications such as <b>SCOPE, RESOLVER, Cadena de Favores, Alarma Ambiental</b>, and <b>Soluciones Tecnol��gicas</b>. Each project was designed to meet specific business requirements and user needs, utilizing technologies such as <b>Java, XML, ViewBinding</b>, and <b>DataBinding</b>.</li><li>I designed and implemented robust API services using <b>JavaScript</b> and <b>Firebase</b> in several projects, enhancing the functionality of the applications with efficient data management and real-time capabilities.</li><li>I consistently demonstrated the ability to deliver complex solutions in diverse environments, ensuring high performance, scalability, and maintainability of the applications.</li><li>I applied best practices in coding and architecture such as <b>SOLID</b> principles, <b>clean architecture</b>, and <b>design patterns</b>, contributing to all phases of the development cycle and continuously advancing in modern technologies and development methodologies.</li></ul></li></ul>
Medell��n, Colombia May 2019 - Feb 2021	<ul style="list-style-type: none"><li>React Developer <b>Grupo Vamos Pues S.A.S</b><ul style="list-style-type: none"><li>I developed the architecture and the web application using <b>React, JS, Redux</b>, and <b>Axios</b> for the Let's Go platform. I was responsible for implementing state management with Redux, optimizing communication with the backend through Axios, and ensuring a smooth and efficient user experience.</li><li>Additionally, I maintained a <b>React Native</b> application where I improved my skills in <b>Android</b> and <b>iOS</b>, ensuring proper functionality on both platforms.</li></ul></li></ul>

Education

Medell��n, Colombia Jan 2016 - Mar 2021	<ul style="list-style-type: none"><li>Systems engineer <b>Universidad De Medell��n</b>  Systems engineer</li></ul>
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<p>Skills</p> <div>Java, Kotlin, Swift, Javascript</div> <div>Jetpack Compose, XML, Data Binding, View Binding, Swift UI</div> <div>Dagger Hilt, Koin , RXJava, Coroutines, Flow, Live Data</div> <div>GraphQL, Retrofit, Volley, Room , MySQL</div> <div>MVVM, MVP, Patrones de dise��o, Clean Arquitecture</div> <div>Lidership, Teamwork &amp; Collaboration</div> <div>Agile Methodologies, GCP , AWS</div>	<p>Languages</p> <div>Ingles Level B2</div> <div>Espa��ol Native</div>
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Certificates & Courses

<b>- Certificate in artificial intelligence, BD GUIDANCE - DataCamp ,</b> Virtual, 2020.
This allowed to acquire and improve skills in artificial intelligence, with the opportunity to take different courses offered on the DataCamp platform
<b>- Certificate Android 11 Development Masterclass -TDD, Coroutines, Jetpack, MVVM - Udemy,</b> Virtual, 2021.
This allowed improving skills in test automation, performance improvement, maintainability and architecture of android applications.
<b>- Big Data in Action Course: Concepts, Tools and Practice, Universidad de Medell��n,</b> Medell��n, Colombia, 2018.
In this space, trends in Big Data and its use in the framework of Artificial Intelligence were explored...
<b>- Mobile device programming course, Sena Virtual,</b> Virtual, 2016.
The course allowed to develop the ability to build systems that meet the requirements of the computer problem.

References

<ul style="list-style-type: none"><li>Felipe Gaviria Correa  Software manager  Flores el Capiro S.A  Systems engineer  Phone:(+57) 3006200780</li><li>Yulieth Katerin Zapata Arango  Control and quality engineer  EDL S.A.S  Civil engineer  Phone: (+57) 3206438018</li><li>Manuela Escobar Sierra  Professor - Researcher  Universidad de Medell��n  Industrial engineer  Phone:(+574) 3405555</li><li>William David Vel��squez  Creative Manager  Creativos Digitales  Phone :322 1739</li></ul>
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