

# Android Dev Kotlin



Getting a Job in Android and Tech



# My Experience

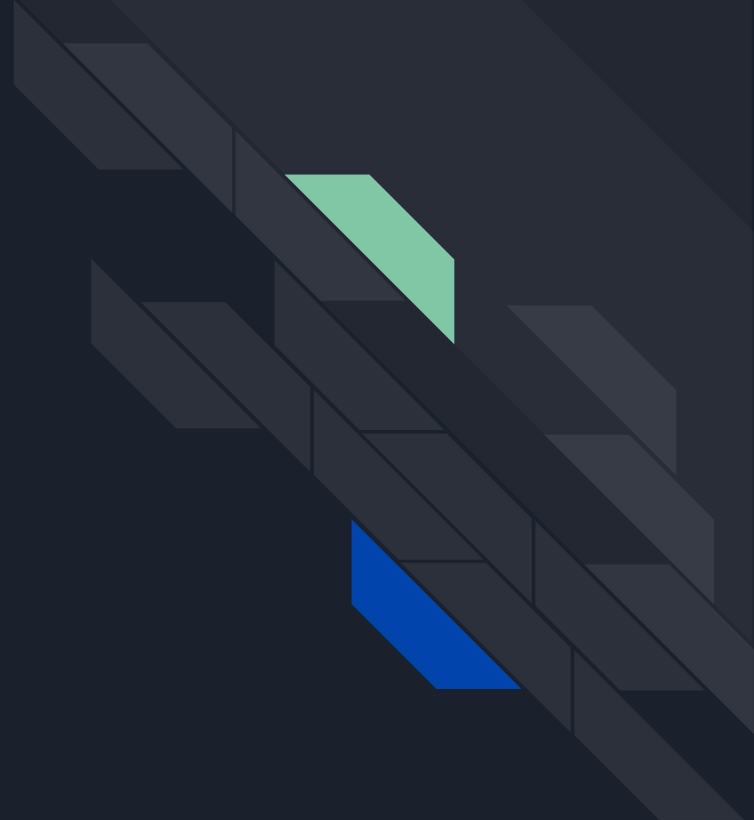
- Helped hire Apple Reps in South Western Virginia Higher Ed Sales and Marketing
- Helped hire and interview new employees at a university media center
- Hired multiple data and web developers as a Technical Manager
- Hired countless contractors for client positions
- Helped hire a lead game developer for a game dev start up company
- Interviewed around 10 Android developers while managing a mobile team of ~9 devs
- Consult or participate in hiring on a case to case basis.

I've applied to dozens of places, if not more. I'm really bad about getting jobs.



# Prereqs

What should you have before  
applying





# What Languages Do You Need to Know?

English of course!

Java, C++, C, C#, C<sup>b</sup>, E#?

[Programming Languages By Github Users](#)

[Github Language Stats](#)



# Another Way to Find Your Path



# “Android Mobile Developer”

**Title:** Android Mobile Developer

**Location:**100% REMOTE!!!!| WORK FROM HOME!!!

**Requirements:** College Degree and 3+ years of mobile development experience or an equivalent mix of education and experience

Headquartered out of beautiful Florence, SC, we are a leading provider of software solutions for schools, churches, and organizational offices. We have been around for over 30 years, have over 50,000 clients and we've grown our market presence and employee counts every year since our inception!

We are consistently voted as one of the Best Places to Work in all of South Carolina due to our amazing company culture. Quite simply, we are a company that values our people, understands the importance of work/life balance, and who likes to have fun!

We are leveraging cutting edge technologies and we are looking for a Mobile Android Developer to join our team! Please apply today for this highly coveted position!

**Seniority Level**

Internship

**Industry**

Computer Software

**Employment Type**

Full-time

**Job Functions**

Engineering




# “Android Mobile Developer”

## What You Will Be Doing

- Supporting the entire application lifecycle-- concept, design, test, and maintain)
- Write code that produces fully functional mobile applications
- Troubleshoot and debug
- Design interfaces to improve user experience
- Research and suggest new mobile products, applications and protocols
- Interact and works directly with customer team members on projects and support issues
- Sets/Drive/Recommend strategies, policies, and procedures by evaluating organization outcomes

## What You Need for this Position



College Degree and 3+ years of mobile development experience or an equivalent mix of education and experience. Along with the following experience/knowledge

- Android
- Strong understanding of at least one Android programming language ( Java, Kotlin, etc)
- APIs
- Object Orientated design principles

What's In It for You

- Competitive Base Salary
- 401K - 6% match
- Health Benefits - Start on day one
- Life Insurance
- PTO
- 401K
- Bonus Plan
- Free onsite Wellness Clinic
- Caring, friendly work environment that believes in work-life balance

So, if you are a 100% REMOTE - Android Mobile Developer with experience, please apply today!

Email Your Resume In Word To

Looking forward to receiving your resume through our website and going over the position with you. Clicking apply is the best way to apply, but you may also:





# “Mobile Developer”

## Description

### **Our Mission:**

We aspire to make fitness **simple**, **accessible** and **convenient** to empower all people to change their lives

### Job Summary

We are building a new native mobile development team to focus on multiple applications for both iOS and Android, that span our Content, Commerce, and Community platforms. We are a fast-paced agile shop that is constantly building out new applications and features, while responding to user reports and feedback at the same time. Our goal is to have a top-notch product line, so we are investing in more top-notch talent to make it happen. This position is under the general oversight of the Engineering Manager, but you have a lot of independent discretion. If you develop in either Android or iOS, and like to drive rather than sit in the back seat, this is the job for you.

### **Seniority Level**

Entry level

### **Industry**

Marketing & Advertising ,  
Computer Software , Internet

### **Employment Type**

Full-time

### **Job Functions**

Engineering ,  
Information Technology



# “Mobile Developer”

## Responsibilities Include

- Work with Product Owner and other team members to gather requirements, determine development strategy, and estimate project velocity.
- Work with embedded Designers, QA, and SDETs to ensure engineering deliverables meet conditions of satisfaction.
- Collaborate with fellow Engineers for engineering strategy and architecture.
- Collaborate with web development teams to make sure enterprise service development properly supports our mobile strategy.
- Develop new application components and maintain the applications as a whole.
- Analyze and optimize application components for performance, stability, and device resource usage.
- Research emerging technologies (proprietary and open source) for possible adoption
- Operate in and contribute to a tightly knit team environment where everyone is a winner.
- Maintain native iOS and Android apps.



# “Mobile Developer”

## General Experience

- Proficient in 2 or more of the following languages: C/C++, Java, .NET, PHP, Python, Perl, Linux shell
- Agile work flow and team Scrum
- 3+ years professional OOP and design patterns (MVC, Singleton, Strategy, etc...)
- Multi-threaded applications
- Volatile and persistent caching
- SQL/SQLite schema normalization and denormalization
- SOA with JSON based REST services
- JSON serialization and deserialization of objects
- Git and/or SVN branch management
- TDD, Unit Testing and related frameworks
- Maven and Continuous Integration builds
- React Native/JS experience
- Basic web development a plus
- J2EE or Spring based Java Enterprise development a plus
- Application localization and internationalization a plus
- Jira or other issue tracking management a plus



# “Mobile Developer”

## iOS Experience

- 2+ years professional iOS development
- Grand Central Dispatch (GCD)
- NSOperationQueue (concurrent/non-concurrent operations, dependencies)
- NSNotificationCenter
- KVO
- Core Data
- Core Graphics
- AFNetworking/FSNetworking or something similar



# “Mobile Developer”

## Android Experience

- 2+ years professional Android development
- Asynchronous Tasks and Loaders
- Fragment, Activity, and Service lifecycle
- Extending View and ViewGroup
- ViewStubs, merge/include, and optimizing layout xml for performance
- Best practices for image handling and management in Android
- Best practices for highly efficient Java
- DDMS for memory and thread management



# “Android Developer”

The Personalization team makes deciding what to play next easier and more enjoyable for every listener. From Daily Mix to Discover Weekly, we're behind some of Spotify's most-loved features. We built them by understanding the world of music and podcasts better than anyone else. Join us and you'll keep millions of users listening by making great recommendations to each and every one of them.

- Position can be located in either Boston or New York

## What You'll Do

## **Industry**

Marketing & Advertising ,  
Computer Software , Internet

## **Employment Type**

Full-time

## **Job Functions**

Engineering ,  
Information Technology



# “Android Developer”

## What You'll Do

- Work in an autonomous team of developers, data scientists, user researchers, designers, and product owners to find end-to-end solutions to important user problems
- Collaborate with other teams across the organization to innovate and deliver impactful user-facing solutions
- Help build products that create new experiences for the hundreds of millions of people all around the world who use Spotify to find and enjoy music and podcasts
- Think outside the box to prototype and explore solutions for our Android client
- Help your team solve problems in a way that makes sense for Android users and our codebaseJoin dozens of other developers and help to shape the direction of Android development at Spotify
- You have at least 3-4 years of professional experience, including product ideation, prototyping, and delivery
- You have contributed to at least one released app that you can tell us about
- You have a solid understanding of modern Android development
- You are experienced with Android development tools
- You have a high level understanding of end to end systems
- You care about shipping product, agile software processes, and focused but fast experimentation
- You are passionate about the user experience and excited to be able to think creatively about possible solutions
- You love your customers even more than your code
- Bonus: You are a T-shaped engineer with the ability (or interest in learning) to support other technical disciplines including backend engineering, data engineering, or machine learning engineering



# “Sr. Android Engineer”

We are looking for an Android Developer who possesses a passion for pushing mobile technologies to the limits. We value people who are not afraid to dig into other people's code, who think that code is the best documentation, and who like to experiment with new technologies but understand the risk of pushing them to production. We like to work with engineers who believe that learning a concept is more important than learning a framework, and who pick technologies outside of their comfort zone when they believe that they're the best tool for solving a particular problem.

As a senior member of our Android team you will help us develop new features that take advantage of the latest trends in the Android ecosystem, as well as improve our existing systems. As we think of ourselves as Mobile developers, you'll also help reviewing and improving our iOS code base.

## What You'll Be Doing

- Working on problems that affect the lives of real people. Our users depend on us to make positive changes to their health and their lives.
- Basing your work on scientifically-proven, peer-reviewed methodologies that are designed by medical professionals
- Collaborating with a team both onsite and offsite -- about 50% of our engineering team is fully remote; we worry about results, not time spent in seats.

## **Seniority Level**

Associate

## **Industry**

Computer Software , Internet ,  
Health, Wellness & Fitness

## **Employment Type**

Full-time

## **Job Functions**

Engineering ,  
Information Technology





# “Sr. Android Engineer”

## What We're Looking For

- 4+ years of large-scale Android experience in a team environment
- Excellent communication skills and the ability to clearly communicate technical concepts to a non-technical audience
- Experience with being in a senior position on a similarly-sized team
- The ability and enthusiasm to mentor less-senior engineers
- A proven track record of building complex technology and guiding less senior members of the team to create code that is well-organized, easy to read and maintain, and optimized for its intended purpose
- The ability to take long-term responsibility for the development of a project, and work alongside the Product team to guide its technical evolution
- Familiarity with Kotlin either in side projects or in full production code is required.



# “Sr. Android Engineer”

## What Makes This Job Amazing

- You'll be helping millions of people lead healthier lives every day
- You'll be a part of Noom's rocketship-- revenue has grown 20x in the last 2 years and our team is growing fast.
- You'll have wonderful benefits including healthcare/dental, wellness budget, daily gourmet meals prepared by our onsite chefs, and onsite yoga
- You'll experience huge learning & professional growth opportunities. Noom believes in supporting your professional and personal growth: we'll cover the cost of books, courses, conferences... you name it!
- You'll add to our transparent, high-performing, and close-knit culture



# “Android and/or iOS Developer”

This position will be a contributing member on the team that will focus on Android and/or iOS with knowledge and experience with strong object oriented design principles. You are responsible for architecting and coding Android and/or iOS system applications and middleware and working with a cross-discipline engineering team to support integration and validation.

Strong technical mobile software background with good analytical, problem solving, and communication skills are essential as well as the ability to work collaboratively in a team environment. Excellent teamwork and written and verbal communication skills are essential. Creativity, responsibility, self-direction and self-motivation with other high quality team members who desire to build out applications.

## Qualifications

## How you match ?

Criteria provided by job poster

### Skills

- ✓ Kotlin
- ✓ iOS
- ✓ iOS Development
- ✓ Java
- ✓ Software Development
- ✓ Web Development
- ✓ Mobile Applications
- ✓ Swift (Programming Language)



# “Android and/or iOS Developer”

## Qualifications

- 2 years of direct Android and iOS development and integration experience with a strong knowledge of the Android and iOS SDK.
- Familiarity with web transport protocols (HTTP, HTTPS, SSL)
- Experience with Java, Kotlin, Objective-C, Swift
- Experience with other mobile platforms or mobile-web development a plus
- Deep knowledge of the software development lifecycle, including scoping, planning, conception, design, implementation, deployment and maintenance.
- Good problem solving skills and ability to meet deadlines is a must.
- Must have a BS degree (MS preferred) in Computer Science, Computer Engineering, Electrical Engineering or equivalent.

✓ Swift (Programming Language)

✓ Hypertext Transfer Protocol (HTTP)

✓ SDK

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## Job Details

### Seniority Level

Entry level

### Industry

Wireless , Telecommunications

### Employment Type

Full-time

### Job Functions

Engineering



# Salaries

[Glassdoor](#) - Just go here or a similar website since it's highly dependent on your area



# The Interview

Typical steps after resume submission are:

1. HR review (keywords, title, background check, experience, job gaps, other issues)
2. Hiring manager review
3. Phone screen (usually HR or non-technical)
4. Real interview (sometimes over phone or computer)
5. Follow up
6. Take-home or live coding
7. Final interview
8. Offer letter
9. Negotiation (have a salary in mind! They will ask)



# Interview Questions for Android

- What is Application?
- What is Context?
- What is Armv7?
- Why bytecode cannot be run in Android?
- What is a BuildType in Gradle? And what can you use it for?
- Explain the build process in Android (Resources, build, package)
- What is the Android Application Architecture? (Services, Intents, Resources, Notification, Content Providers)
- Describe activities
- Lifecycle of an Activity
- What's the difference between onCreate() and onStart()?
- Scenario in which only onDestroy is called for an activity without onPause() and onStop()?



# Interview Questions for Android

- Why would you do the setContentView() in onCreate() of Activity class?
- onSaveInstanceState() and onRestoreInstanceState() in activity?
- Launch modes in Android? (Standard, SingleTop, SingleTask, SingleInstance)
- How does the activity respond when the user rotates the screen?
- How to prevent the data from reloading and resetting when the screen is rotated?
- Mention two ways to clear the back stack of Activities when a new Activity is called using intent (FLAG\_ACTIVITY\_CLEAR\_TOP, FLAG\_ACTIVITY\_CLEAR\_TASK, FLAG\_ACTIVITY\_NEW\_TASK)

[Full list](#)

[50 Android Interview Questions](#)

[20 Essential Android Interview Questions](#)





# Generic Interview Questions

- Sort articles based on priority and read order
- Reverse a string or check if a string is a palindrome
- Write a method which will remove any given character from a String?
- Print all permutation of String both iterative and Recursive way?
- Write a function to find out longest palindrome in a given string?
- How to count the occurrence of a given character in a String?
- How to convert numeric String to int in Java?



# Generic Interview Questions

- In an array 1-100 numbers are stored, one number is missing how do you find it?
- How do you find middle element of a linked list in a single pass?
- How do you reverse a singly linked list?
- How do you find the depth of a binary tree?
- How do you count a number of leaf nodes in a given binary tree?
- Write code to check whether a number is a power of two or not?

[Full list](#)



# The good, the bad, the ugly

- You might get a real response right away. You might get one after 6 months
- You might think you nailed it, but someone somewhere decides you're not a right fit
- You might think you did horribly, but they really liked you.
- They might ask you really hard questions, not expecting you to be able to answer. It's about the thought process.
- I was once asked, "If you don't know the answer, what would you do?"
- One correct answer: "Ask someone who does. Never make something up."



# Advice

- Be prepared. Have someone else ask questions and respond so they can understand
- It's about your process, not necessarily about giving the right question: "I honestly don't know but my first thought is I'd walk the string and keep pointers to certain characters, but that seems inefficient because it wastes memory and CPU cycles, where as a mapping might be more effective, easier to program and maybe more optimal."
- Be prepared to talk about your personal life (except certain topics)
- Don't ever be negative.
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# My favorite questions

- What do you do when you're not programming?
- Tell me about your favorite 3rd party SDK or framework.
- Where do you get your developer news?
- You have a bug that you can't figure out or is not obvious. Outline your steps for resolution.
- Favorite Android Studio feature, shortcut key, or tip/trick
- Tell me some bad things about Android
- What's your favorite ORM?