

Mohsen Mirhoseini

Android Team/Tech Lead at Firework

Contact

Email

msn.mirhoseini@gmail.com

Phone

+4915732197325

About

I am a senior software engineer with a passion for Android development. I have worked as a software developer since 2006 and later focused extensively on mobile applications since 2012. I also had a chance to lead and train other developers along the way. I am a computer geek who cannot resist Mobile apps, IoT, Tech talks, and video gaming. Besides publishing articles on Medium, I am also a YouTuber and share my experiences in developing Android apps on a YouTube channel called "Android Developer Tips" for the whole Android community.

Profiles

LinkedIn

[mohsenoid](#)

Mastodon

[mohsenoid](#)

YouTube

[AndroidDeveloperTips](#)

Twitter

[mohsenoid](#)

Github

[mohsenoid](#)

Medium

[mohsenoid](#)

Work

Loop Now Technologies (Firework)

April 2022 – May 2024

Android Team/Tech Lead (Full-Time | Remote)

firework.com/

Developing and owning the Firework Android SDK that is used by millions of users, allowing every publisher and business to tell their stories with short videos, hosting Livestream events, and Ads inside their Android apps.

Highlights

- Challenging with SDK development limitations like not being allowed to depend on open source libraries and therefore designing and developing everything from scratch.
- Designing and developing the SDK architecture with over 50 different modules
- Implementing automations and processes that improved development speed
- Mentoring team members, resulting: improved code quality, faster time to production
- Collaborating with both product managers and customers

Bettermile (GLS eCom Lab)

March 2020 – March 2022

Senior Android Developer (Full-Time)

bettermile.com

Helping GLS last mile drivers in Europe on listing parcels to deliver and navigating through waypoints to meet for a day tour.

Highlights

- Taking over an out-sourced Android project and make it in-house by refactoring most of legacy codes and defining and automating work flows.
- Giving love to a code base done by multiple freelancers
- Implementing Turn-by-Turn navigation using Here SDK
- Developing an Android library to communicate with 3rd party apps
- Defining technical and nontechnical flows including release automation and CI/CD

German Autolabs

February 2017 – March 2020

Senior Android Developer & Teamlead (Full-Time)

germanautolabs.com/

Working on a complex AI-based Automotive Voice Assistant (AVA) platform and Chris the digital assistant for drivers based on the AVA platform project.

Highlights

- Starting the Chris companion android app development from scratch and successfully releasing it into production after more than 1-year designing and prototyping.
- Defining a proper codebase and project structure including architecture and modules
- Managing a secure solution for communication over BLE using Protobuf
- Setting an appropriate CI/CD pipeline including version control and release systems
- Being an active member of product tech leads and core management team

Karina Mobile Solutions

February 2013 – January 2017

Senior Android Developer & Teamlead (Full-Time)

Participating in multiple projects including a social network platform and a music streaming service. Promoting to Senior Android developer and team lead in a short time.

Highlights

- Developing a game social network application using RESTful APIs
- Developing a newsreader application and a music streaming service application
- Managing multiple Applications based on VAS back-end systems (by SMS/USSD)
- Consulting mobile application solutions for B2B customers and content providers

Hafez Health Group & ATD

September 2012 – February 2013



Android Developer (Part-Time | Freelance)

Developing multiple big and small applications as a part-time job namely Tehran traffic map application, food ordering application, roadside assistance application using GPS and maps APIs, food calorie meter, and insulin reminder for diabetics patients.

Software Developer & Database Manager (Self-employed)

Founded my own company and worked on Software projects using C++, C#, SQL, ASP, and .net technology.

Skills	Software Architectural Design	SOLID
	CleanArchitecture	Android Development
	Java Programming	RxJava / RxAndroid
	Kotlin Programming	Coroutines
	Dependency Injection	Testing
	RESTful WebServices	Git/GitFlow
	CI/CD	MVP/MVVM
	Protobuf	MockK
	Espresso	ORM
	NDK	Effective communication
	Team Leadership	Public Speaking
	Internet of Things (IoT)	GraphQL
	Phoenix Websocket	Compose UI
	Bluetooth/BLE	GPS/Maps

Education	Computer Software Engineering	December 2005 — December 2008
	 Computer Software Engineering BSc	
	University of Science and Art	December 2003 — December 2005
	 Computer Software ASc	

Awards	Instructor at IranMobiCode 2014 Unity3D Workshop	
	by Amirkabir University	Awarded March 2014
	Speaking about Mobile game development and Unity3D workshop.	
	Winner of 2nd Shokoofa Festival Award 2014	
	by Tehran Municipality	Awarded February 2014
	Winner of the 3rd position at the best urban services mobile application for Tehran Traffic Map app.	

Instructor at Tehran's 2nd Android Bootcamp by Tehran Municipality

Awarded May 2013

Advanced Android app development workshop

Instructor at Tehran's 1st Android Bootcamp

by Tehran Municipality

Awarded April 2013

Basic Android app development workshop

Publications

Fun with Kotlin

May 2024

Published by **fun code()** - A magazine for Kotlin™ developers

A fun article about Kotlin language by Microsoft Copilot AI, reviewed, improved, and organized by Human!

How to setup your Android app to use Protobuf

December 2017

Published by **ProAndroidDev**

Protocol Buffers is a method of serializing structured data. It is useful in developing programs to communicate with each other over a wire or for storing data. The method involves an interface description language that describes the structure of some data and a program that generates source code from that description for generating or parsing a stream of bytes that represents the structured data. In this article I talk about how to use it in your Android app.

My first experiences with Kotlin

May 2017

Published by **Hacker Noon**

Kotlin is a new language which at least most of Android developers heard about it or are using it instead of Java. Out of my curiosity start learning it to know what's attractive inside that makes some developer crazy about it! so during my learning process I have made some notes which might look too minified but contains keywords for beginners and your later searches.

Creating a quick fancy Android application prototype

April 2017

Published by **Hacker Noon**

All programmers with Mobile Application development experience have been in the situation of trying to create a prototype to showcase the application idea in a quick way! Creating a prototype is a tricky task in term of time and quality. Usually you have the minimum time available for creating a fancy Application which must not work but look perfect. How is this possible? No one knows that we have to code or design for every animation or loading data to list in Android, which is really time consuming.

JetBrains JVM Debugger Memory View plugin

January 2017

Published by **Hacker Noon**

During my recent R&D activities looking for new tools to improve my development experience and making life easier with Android Studio, I found a useful plugin which I have never heard

before. This is why, I decided to write about this mighty tool and how it helps me with memory debugging my applications.

MVP — How to present different errors on View Layer

December 2016

Published by **Hacker Noon**

Using MVP we are always busy with interfaces to transfer different messages from presenter layer to view layer and presenting them to user, But when it comes to error handling, are all these methods required and likely to get fired or even predictable?

Yet another MVP article

November 2016

Published by **Hacker Noon**

It is a 5-part article about an Android sample application which follows MVP rules. Part 1: Let's get to know the project <https://goo.gl/tGUcDB> Part 2: How Dagger helps with the project <https://goo.gl/8KxyL3> Part 3: Calling APIs using Retrofit <https://goo.gl/33da8p> Part 4: RxJava and RxAndroid know how to response <https://goo.gl/Nu8TuZ> Part 5: Writing Test using a mixture of Dagger and Espresso <https://goo.gl/6cxQ4a>

Languages

Persian

Native Speaker

German

A2

English

C1

Interests

YouTube

Video Games

Tech News

Photography

Billiard

Android community

References

Mohsen is an outstanding engineer who consistently delivers high-quality work and demonstrates a strong work ethic. Despite working remotely, he fosters a genuine sense of teamwork through his proactive approach and calm, confident demeanor, making him especially valuable to the team when under pressure. I have also been very impressed by his readiness to offer guidance and support to fellow engineers. His ability to share knowledge and explain complex technical concepts in a simple, intuitive manner is truly amazing.

— Rick Zhuang (CTO at Firework)

I have had the pleasure of working closely with Mohsen during his tenure at Firework, and I cannot recommend him highly enough. Mohsen is an outstanding Android developer and a natural leader who consistently goes above and beyond to support our team and ensure project success. Mohsen's technical expertise in Android development is truly impressive. He demonstrates a deep understanding of the platform and consistently delivers high-quality code that meets our project requirements. His ability to solve complex technical challenges efficiently

and effectively is remarkable, making him an invaluable asset to any team. As a Tech Lead, Mohsen's leadership skills shine brightly. He is always ready to jump in and provide guidance and support whenever needed. Whether it's troubleshooting issues, coordinating with other teams to unblock work, or mentoring junior developers, Mohsen handles it all with professionalism and a positive attitude. One of Mohsen's most admirable qualities is his commitment to best coding practices and standards. He consistently advocates for the adoption of industry best practices, ensuring that our projects maintain a high level of quality and efficiency. His attention to detail and dedication to writing clean, maintainable code sets a standard for excellence that inspires the entire team. Overall, Mohsen is an exceptional Android developer and Tech Lead who has made invaluable contributions to our team at Firework. I have no doubt that he will continue to excel in his future endeavors, and I wholeheartedly recommend him for any role that demands technical excellence, leadership, and a passion for innovation.

– **Shrutika Madda (PM at Firework)**

I am pleased to recommend Mohsen for the position of Mobile Engineer Lead or any relative engineer lead roles. During his time at Firework, he has consistently demonstrated exceptional kindness, politeness, and a swift responsiveness that enhances team efficiency. His technical expertise spans iOS and Android app development, SDKs, Flutter, and React Native, making him an invaluable asset. In charge of a cross-border international engineering team, Mohsen effectively coordinates efforts and ensures seamless collaboration. He often goes beyond his scope, actively assisting other departments such as Customer Success and Technical Solutions, demonstrating his dedication and teamwork. Mohsen's proactive approach and comprehensive knowledge have significantly contributed to the success of our projects. His willingness to reach out and support various team members fosters a collaborative and supportive work environment. I am confident that Mohsen will bring the great level of excellence and dedication to any organization he joins!

– **Martin Zheng (Customer Success at Firework)**

Mohsen showed a high level of reliability and professionalism in his role as a Senior Android Developer at GLS EcomLab (Bettermile GmbH). He took care of his responsibilities promptly, in an organized way: taking ownership from the beginning to the end. Mohsen was a valuable member in projects where technical details had to be communicated and explained in detail and clarity to the stakeholders and clients, due to his excellent communication skills. He has positively contributed to the quality of the product and always managed his tasks within the expected timelines. Mohsen was a true team player with a positive attitude and a high level of accountability. I would any time hire him again :)

– **Laura Leponiemi (PM at GLS eCom Lab)**

Mohsen joined us in early 2017 as our first Android developer in building Chris, the digital assistant for drivers. He immediately settled in and built our Android app with an astonishing

pace. All our developers were in admiration of his speed and output. By the end of 2017 his app had become the backbone to our early demos and Kickstarter backer livestreams, and Android our "we build things first here" platform. Mohsen is a great person to work with, fits into any team, can work with anyone, understands very fast what you are trying to achieve and will find fast and lean ways of building what you need, while not forgetting to refactor later and ensure a well polished code base. He is also a great evangelist, presenting at conferences and promoting the company. He built up a team of 3 Android developers, and was a very good team lead too. He is well respected amongst peers, team and management. He is a great asset to have in any team.

— Patrick Weissert (PM at German Autolabs)