HAMIDREZA SALEHI

CO-FOUNDER, CTO AND MOBILE DEVELOPER

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ABOUT ME

I am a senior software expert with a master's degree in security and code obfuscation from Iran University of Science and Technology. Since 2010, I have been actively involved in programming, specializing in C# and Android. In 2012, we founded Pishro Samaneh Arad, focusing on custom software development and office automation.

After dabbling in various programming fields, I concentrated on project management and leading mobile teams within the company. Since 2015, I have also actively entered the field of iOS programming. Currently, I consider myself an experienced native mobile programmer for Android and iOS, capable of leading and managing teams.

In addition to my primary work, I engage in graphic design for some projects, with a focus on user interface and user experience. Throughout my career, I have also taught at the University of Applied Science and private training centers.

SKILLS & ABILITIES

My main expertise can fit into four titles:

1. **CTO and Software Project Management**
2. **Mobile application development including Android and iOS**
3. **Backend development with .Net and C#**
4. **UI and UX design**

Here is my detailed description about my skills:

.Net Core	**Mid-level C# and .Net developer**
	C#, ASP.NET, ASP.NET MVC 4, Minimal API
	Entity Framework (Code first, DB first, Model First)
	Universal Applications - some MVPs
	.Net core 8 and Blazor

Android	**Senior Android developer**

Senior Android developer
Programming: Android SDK with Java SE and Kotlin
UI: XML and Jetpack Compose, Motion layout and code animations, Constraint layout and etc.
Database: Room and sqlite3 direct query, database obfuscation
Maps: Google map, Map Box, OpenStreetMap
Networking: Retrofit, Volley, OkHttp, Network debugging
Memory management and leak detection: Leak Canary
Reactive programming: RxAndroid, RxJava, RxKotlin
Architecture: MVC, MVP, MVVM with Live Data or Coroutines
And others skills such as socket programming, multithreading, services and jobs, permission management

Java SE

Java SE programmer
I have been programming applications with Java SE since 2010, focusing mainly on Android applications from API level 8 onwards.
Full knowledge of OOP and multithreading in Java, primitive data types and memory allocations.
Java dev tools from eclipse to JetBrains
I have also taught three courses of Java SE at various private schools.

Kotlin

Mid-level Kotlin developer
I began writing Android apps with Kotlin in 2020.
Refactored most active project from Java to Kotlin
I am fully aware of Kotlin syntax, null safety concept, coroutines, extensions, annotations, lambda expression and inline functions

iOS

Full stack iOS developer
Programming: iOS SDK with Swift and Objective-C
UI: UIKit, Storyboards and XIB files, SwiftUI
Database: Core Data, sqlite3 direct query, Realm DB and Swift Data
Maps: Google map, Map Box, Map Kit
Networking: Allamofire, URL Session, Network debugging
Memory management and leak detection
Reactive programming: RxCocoa, RxSwift and Combine with SwiftUI
Architecture: MVC, MVP, MVVM with Combine or RxSwift
Package managers: Cocoapods and SPM
And others skills such as socket programming, multithreading, services and jobs, permission management

Objective-C

Mid-level Objective-C developer

I began iOS application development with Objective-C
Fully aware of Objective-C's syntax like using pointers among other things
Since the introduction of Swift and its official adoption by Apple, I have refactored and written code in Swift.

Swift	**Senior Swift developer** I began writing iOS apps with Swift in 2018 I am fully aware of Swift syntax, control flow, null safety concept, closures, extensions, error handling
UI / UX Design	**User interface and experience designer** I design web pages, and mobile apps from scratch Workflow design, wireframing and prototyping Designing vector or pixel graphical assets Animating and prototyping user interfaces Adobe XD, Photoshop, Illustrator, After Effects and Figma are my tools
Other skills	**other programming and tools** I have some other skills such as below: Project management technics like agile and scrum Networking knowledge like CCNA, working with Packet Tracer, Passive networking HTML, CSS an Js experience in frontend implementation SQL Server knowledge such as procedures and queries, optimization and maintenance Some PHP background with Yii 2 framework C, C++ and QT framework CMS setup and maintenance, especially WordPress and
Teaching skills	**Experienced programming teacher** I can teach software engineering lessons such as data structures, operating systems, distributed systems, logic circuits and software engineering programming languages: C#, Entity Framework, Java, Swift, Kotlin, Android development, iOS development

EDUCATION

2004 - 2008	**Diploma in Mathematics**
	Imam Sadiq (a.s) High School
	I studied pre-university general lessons in the field of mathematics.
2008 - 2012	**BSc in Computer Software Engineering**
	Imam Khomeini International University (IKIU)
	I received my bachelor's degree with the following thesis/project:
	Introduction to parallel programming. Setting up and configuration of a computer cluster.
2013 - 2015	**Masters in Software Engineering**
	Iran University of Science and Technology
	Seminar: Analyzing and examining the challenges and solutions of symbolic analysis in code analysis
	Thesis: Code Obfuscation to Prevent Symbolic Execution
	Supervisor: Dr. Saeed Parsa
	Referees: Dr. Azgomi from IUST, Dr. Heydari Noori (Sharif University)
	Thesis grade: 19.0

ARTICLES

2017	**Code Obfuscation to Prevent Symbolic Execution**
	Journal of Electronical and Cyber Defense
	Vol.6, No. 1, 2017, Serial No. 21
	S. Parsa*, H. Salehi, M. H. Alaeiyan
	*Iran University of Science and Technology
	(Received: 13/03/2016, Accepted: 31/10/2016)

EXPERIENCE

Sep, 2012 - Current	**Co-Founder, CTO, Mobile and Backend Developer** Pishro Samaneh Arad
	We started Arad Co in 2012, and since then, I began as a .Net developer, implementing small projects. In 2015 I started mobile programming, leading development teams, and transitioned into the company's CTO.
Sep, 2024 - Current	**Consultant and Website Designer** 3SG Group
	I consult 3SG Group about their website in design, implementation and SEO
May, 2022 -Jan, 2023	**Consultant** Tehran Municipality
	I consulted Fruit and Vegetable Organization of Tehran Municipality about implementation Its super app for B2B and B2C commerce for Tehran vegetable market. I also wrote an RFP, part of which later implemented in Shahrzad App
Sep, 2022 – Dec, 2022	**Consultant** National land and Housing Organization
	I consulted on writing an RFP for a large-scale software management system for building 4 million houses in 13th government of Iran
2013 - 2018	**Teacher** Sharif University of Technology Jihad Organization
	I taught logic circuits and data structure to computer associate students.
2015 - 2016	**Teacher** Mofid High School
	I taught basic programming skills to high school students with C#
2015 - 2016	**Teacher** Sahand Samaneh Bartar
	I taught Android Basic and Advance courses to employees
2014 - 2015	**Teacher** Iran University of Science and Technology
	I Device drivers programming basic with C++ to students.
2014 - 2015	**Teacher** Tehran Technical Complex
	I have taught five Java SE courses, two Android courses and one iOS course over the years

2013 - 2014	**.Net developer and UI designer** Saramad System Saba
	I participated in development of Saramad Co's ERP system. I was mainly in charge of development the PM (Preventive Maintenance) sub system.
Jul 2011 – Dec 2011	**Bachelor's internship** Bank Saderat Iran
	During my bachelor's degree, I completed an internship where I studied and implemented MVPs for a core banking system

PROJECTS

Boshghab Application: Calorie tracker and pedometer
CTO and Android developer

An android application that can tracks user calorie intake or burn and also count his/her steps. Current version of application is written and native android with java and Its backend written with PHP and Yii2 framework.

In version 3 which still in development we refactored Android code to Kotlin and re-write some classes and also Its server is based on .Net core 8

Also, iOS version of application will launch with version 3

I designed the project architecture both in mobile and backend and manage project development in company. I wrote first version of Android app and now actively help and consult Its Android developer. At same time I am writing Its iOS application with SwiftUI and Realm DB

APT Rides: an online taxi platform for Vancouver, Canada
CTO, Developer

An online taxi platform like Uber which has 2 applications for both Android and iOS. One app for passengers and one app for drivers. There also a web app for monitoring and managing the whole system.

I managed mobile section of the project, developed iOS applications and consulted Android developer.

Befarma: An FMCG commerce platform
Mobile Project manager, Developer, UI and UX Designer

Befarma is a commerce platform based on .Net and has two applications for customers and delivery system which customers app have both Android and iOS and delivery application only has Android application.

I led mobile apps dev team and I implemented Its iOS application and partly Android delivery app.

Mahak scales application

Mobile Project manager, Developer, UI and UX Designer

This app is an IoT system which applications connect to scales via Wi-Fi and manage them.

I designed the system workflow, design Its user experience and applications UI and eventually led mobile developers. Personally, I implemented It's iOS application with Swift.

PAPCO: Online shop

UI and UX designer, Project Manager and developer

Papco online shop is based on Prestashop with native applications for Android and iOS.

I designed Its website and apps UI, extracted and defined their specific workflows and UX and implemented Its mobile application in iOS.

I also implemented a part of Its Android app and practically led Mobile dev team

SAHOMA,

Android and iOS developer

Sahoma is a wiki/database of Iran's Tax laws and regulations which I Implemented Its Android application and some time later Its iOS application

SAHOKA

PM and IOS Developer

Sahoka is a wiki/database of Iran's Social Security laws and regulations. Its applications are both a replica of Sahoma with some changes which Implemented Its iOS application and led other developers such as android and backend

IFRS

PM and IOS Developer

IFRS is a wiki/database of International Commercial laws and regulations. Its applications are both a replica of Sahoma with some changes which Implemented Its iOS application and led other developers such as android and backend

Arbaeein App

CTO and Mobile developer and designer

This platform is focused on providing services for The Grand March of Arbaeein.

It is based on native mobile applications with a Yii2 backend.

I was in charge of leading mobile dev teams and designing UI and UX of applications.

Also, I participated in both android and iOS development.

Didban App
Team Lead and Mobile developer

A location based dynamic form generator for monitoring and data gathering purposes.

It has both native Android and iOS applications.

I led mobile dev team, Implemented iOS apps and participated in Android development.

Emdad charity platform
CTO and developer

This platform based on mobile application for ordinary people who use Emdad's services like charity or guardianship of orphans and also an application for Emdad employees.

Its android application was written in Java and refactored to Kotlin through the years.

Optimization Methods: Project Manager app
Android developer

This was project management system that inspired from Taskulu. I designed app UI and developed Its android application.

Local demo available

Ravi
Project Manager and Android developer

Ravi is s content management system for preparing and distributing content for lecturers. It has a PHP backend and an Android client application.

I managed the team and project and also, participated in Android development

Peygirim
Project Manager, iOS developer and UI designer

Peygirim is content broadcasting platform like former Twitter which has both android and iOS clients.

I managed the project and also, developed iOS client and designed application UI

Dots and Lines
Android developer

A light weight version of famous Dots and Lines game (Noghte Bazi)

This was and MVP for learning purposes in my android teaching courses which users wrote best search algorithms to calculate application's next move against user

Personal Warehouse/Storage
Android developer

A light weight and minimal android application for managing small warehouses

An MVP for learning purposes to teach the students usage of different ORMs

Tehranama
Android developer and iOS developer

An application like Foursquare for finding local jobs and advertisement. It uses Open Street Map with offline features, finding directions on map and syncing data with server

Android version written with Java and iOS version written in Objective-C

Saramad Preventive Maintenance
.Net developer

PM subsystem of Saramad ERP for hospitals based on ASP.NET MVC, ExtJS and Dextop

Other projects
.Net developer

Arad attendance: a web app for employee's check-in and check-out

Iiwa.ir: an online store for digital products ASP.NET MVC 3 and EF4

Music school: a windows application for managing a music school classes and income

My Size: website and a windows app with TelerikUI for calculating dress sizes.

Radtools.ir: ASP.NET MVC5, EF6, KendoUI, Identity 2 and Elmah

Other graphical designs

Befarma application full design

Arad.co website

Novindiet.com website

Youdoctor.ir website and logo

Epezeshk.com website and logo

Heliasalamat.ir