

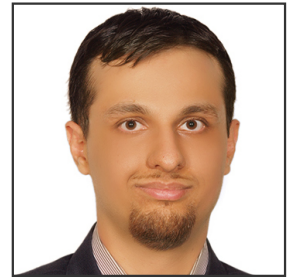
Sina Momken

JAVA DEVELOPER · BACKEND DEVELOPER

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Work Experience

Negah Tech. Holding of Karafarin Bank

JAVA BACKEND DEVELOPER

Tehran, Iran

Sep. 2020 - Present

Legacy Internet Bank Project

- Maintenance and development of the legacy Internet Bank project of Karafarin Bank.
- Written in Groovy language with Grails framework for Backend.
- Written in HTML/CSS/JavaScript language with JQuery framework for Frontend.
- Using MVC architecture and Oracle 10g as database.

New Unified Omni-Channel Platform Project

- Backend development of the Omni-Channel project of Karafarin Bank to create a unified backend platform for web and mobile clients to connect.
- Written in Java language with Spring Boot framework, using Oracle relational DB, MongoDB NoSql DB and Redis cache.
- Using JPA on top of Hibernate for running simple ORM tasks.
- Using Retrofit and RestTemplate as http client, MapStruct and ModelMapper for mapping between Entities and DTOs, and QueryDSL for executing complex queries.
- Utilizing 4-layers backend architecture (controller, facade, service, repository).
- Consultation on hiring developers for the mobile team.

Carpino, 3rd Ride Hailing app in Iran

SENIOR ANDROID DEVELOPER

Tehran, Iran

Jun. 2019 - Apr. 2020

Rewrite of Carpino-Passenger android app from scratch

- Using Kotlin language with Room ORM and SQLite DB.
- Utilizing 3-layers MVVM android architecture with LiveData observables.
- Using modern libraries like Dagger-Android dependency injection and Retrofit http client.

Carpino-Driver android app

- Development of intelligent map systems for driver app, like a 3D navigation system similar to Waze but with GPS noise cancellation and Hotzones showing high ride demands.
- Collecting usage and crash data using Firebase Analytics, old Google Analytics, Crashlytics and Adtrace.
- Using 3-layers MVC android architecture with RxJava async library, Retrofit http client and various third party UI libraries.

Iran's Army Aviation Forces, MND

IT SUPPORT (COMPULSORY MILITARY SERVICE)

Tehran, Iran

Feb. 2018 - Jun. 2019

- Maintenance and management of software, OS, hardware and network of 400+ desktop clients.
- Managing Active Directory and Windows File Sharing servers.
- Administration and configuration of Cisco switches and routers.

Kaveh Information Services

ANDROID DEVELOPER

Tehran, Iran

Apr. 2015 - Jun. 2016

Keloud project

- Design, development and customization of Keloud android app, based on OwnCloud.
- Connecting the app to the novel Keloud authentication, storage and sharing services for synchronizations.

Sobhe Corp.

ANDROID WEB BROWSER DEVELOPER

Tehran, Iran

Aug. 2013 - Sep. 2013

Zolal project

- Development of android version of Zolal web-app.
- Using Mozilla GeckoView browser module to correctly render Farsi/Arabic fonts in old android phones.

Dadegan Research Group

RESEARCH INTERN

Tehran, Iran

Sep. 2010 - Dec. 2010

Projects "Persian Dependency Treebank" and "Valency Lexicon of Persian Verbs"

- Design and implementation of a networked desktop application for annotators so they could easily mark and annotate different parts of the linguistic corpus in parallel.
- Development of a UI and central DB across network using C#.net and Microsoft SQL Server.

Education

Java Spring Framework

160 HOURS COURSE BY ALI RAHMANIAN

alirahmanian.com

Jul. 2021 - Nov. 2021

University of Tehran

M.Sc. IN COMPUTER SCIENCE, ALGORITHMS AND COMPUTATION

Tehran, Iran

Sep. 2014 - Sep. 2017

- **GPA: 17.16/20.00**

- *Thesis title:* An Efficient Algorithm for De Novo Metagenome Assembly.

Iran University of Science and Technology

B.Sc. IN COMPUTER ENGINEERING, SOFTWARE MAJOR

Tehran, Iran

Sep. 2007 - Mar. 2013

- **GPA: 17.58/20.00 (1st place)**

- *Thesis title:* Development of an Optimized Web Browser for Android Operating System.

Allameh Helli High School

DIPLOMA IN PHYSICS AND MATHEMATICS

Tehran, Iran

Sep. 2003 - Jun. 2007

- **GPA: 19.19/20.00**

- *Affiliated with National Organization for the Development of Exceptional Talents (NODET).*

Skills

Programming Languages

- **Backend:** Java SE/EE 8 & 11, Groovy, Kotlin, C#, ASP.Net, SQL, JPQL
- **Frontend:** HTML, CSS, JavaScript, Markdown
- **Android:** Java SE 8, Kotlin, XML
- **Embedded Systems:** C/C++, Bash Script, x86 Assembly
- **Scientific:** MATLAB, R

Frameworks, Libraries & Architectures

- **Backend:** Spring Boot framework, JPA standard, Hibernate ORM, QueryDSL api for type-safe queries, Retrofit http client, Jedis redis client, Spring Data JPA and Spring Data Mongo apis, Grails framework, .Net Framework 4, ASP.Net MVC architecture, familiar with Multi-Modules and Micro-Services architectures
- **Frontend:** JQuery, Bootstrap, a little React.js
- **Android:** MVVM and MVC architectures, RxJava Reactive extensions, LiveData observables, Retrofit http client, Dagger-Android dependency injection, Room ORM, Androidx and Material components
- **Embedded Systems:** a little Qt framework, Linux kernel

Databases

Oracle, MySQL, SQLite, MS SQL Server, MongoDB, Redis Cache

Operating Systems

Linux (Debian and RPM based), Windows, a little MacOS, OpenWRT, a little FreeBSD

Development Tools

IntelliJ IDEA Ultimate, Android Studio, Visual Studio, Visual Studio Code, TOAD for Oracle, DBeaver, MongoDB Compass, Robo 3T, Redis Desktop Manager, Postman, curl, Docker, WireShark, a little Burp Suite

Test Tools & Test Suites

JUnit, a little SpringBootTest & MockMvc, NUnit, familiar with TFD, TDD & BDD, Jenkins, Android Espresso Tests

Bug Tracking, Documentation & Source Control

Jira, Confluence, Bitbucket, Git, GitLab, GitHub, TFS, DokuWiki, LaTeX, Visio, Visual Paradigm, Rational Rose, Asana, Trello

Languages

- **English:** fluent, TOEFL iBT 87 (R=26, L=18, S=18, W=25), GRE General (V=141, Q=167, W=3.5)
- **Persian:** native
- **Arabic:** familiar

Honors & Awards

2013 **1st GPA**, among all IUST software major B.Sc. students (among ~40) enrolling since Sep. 2007.

Tehran, Iran

2009 **Ranked 25th & 35th**, at ACM-ICPC West Asia Regional Contest

Tehran, Iran

2008 **Ranked %0.8**, among ~350,000 competitors of national B.Sc. university entrance exam in Math and Physics.

Tehran, Iran

Writing

Metagenome Assembly: Explanation, Challenges and Future Trends

Iranian Conference on Bioinformatics 7

S. MOMKEN, K. KAVOUSI, A. BANAEI, D. MOAZZAMI

Jan. 5th, 2018