



Muhammad Karbalaee

Software Developer

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📍 Tehran, Iran



Skills

React

JavaScript

Dart

Flutter

Java

HTML

CSS

TypeScript

Android Development

iOS Development

NodeJS

Git



Language

English : Proficient

Acquire The Iran Language Institute's Advanced English Certificate

German : Elementary

Practiced A1



Social Network



muhammad-karbalaee



@muhammad-karbalaee



Profile Summary

I'm a software developer with two years of hands-on and challenging experience in frontend development, mobile development and recently, image processing rules. The technologies that I regard myself more experienced and focused on are, React, Java, JavaScript, TypeScript, HTML, CSS, Flutter, native Android, but I also have foundational familiarity and a little bit of experience with, NodeJS, Spring framework, Python, OpenCV , C / C++ and native iOS with Swift.



Education

Bachelor in Computer Science

Institute/University: Shahid Beheshti University

Tehran, Iran

Since 2022

Diploma in Mathematics and Physics

Institute/School: SAMPAD Shahid Beheshti high school

Tonekabon, Mazandaran, Iran

2017 - 2020

Advanced English Language

Institute/University: The Iran Language Institute

Tonekabon, Mazandaran, Iran

2011 - 2020



Work Experience

Front-End Developer

Roshan

Tehran, Iran

September 2021 - September 2022

Tasks and Achievements

- Implementing the company's new website using React
- Implementing all the API documentation websites of the company.
- Improving company's websites by SEO techniques to appear on top ten search results for relevant searches
- Fixing the bugs and adding features on one of the company's published hybrid apps using Cordova
- Practiced server-side-rendering technologies
- Complex animation design for webapps



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Muhammad_ksht



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989373899988



Muhammad-Karbalaee



muhammad-karbalaee-shabani

Intern Front-End Developer

RasaHR

Tehran, Iran

May 2021 - September 2021

Tasks and Achievements

- Learning React
- Making advanced projects with React
- Getting a hint of basics of Frontend development technologies like HTML, CSS, JS

Front-End Developer

Iran's National Elites Foundation

Tehran, Iran

December 2021 - September 2022

Tasks and Achievements

- Developing a social media productivity app with React
- Getting hands-on with legacy code on the vector open-source project
- Practicing React development with TypeScript as a better approach to tackle large-scale web applications

Intern Mobile Application Developer

Roshan

Tehran, Iran

June 2021 - August 2021

Tasks and Achievements

- Learning the Flutter framework
- Learning the Dart programming language
- Worked NoSQL
- Implementing a podcast player mobile application from zero and alone

Mobile Application Developer

Roshan

Tehran, Iran

Since October 2022

Tasks and Achievements

- Implementing a mobile application for the company's new product

Image Processing Programmer

Roshan

Tehran, Iran

Since September 2022

Tasks and Achievements

- Generation augmented data for company's AI projects
- Getting to know the OpenCV library

Product Owner

Roshan

Tehran, Iran

July 2022 - October 2022

Tasks and Achievements

- Managing two groups of five intern developers working on webapps
- Guiding intern frontend developers

Advanced Programming Teaching Assistant

Shahid Beheshti University

Tehran, Iran

February 2022 - July 2022

Tasks and Achievements

- Teaching students core Java concepts
- Teaching a separate course on native Android development with Java
- Writing testcases for assignments
- Mentoring students during the semester and for their final projects

Freelance Programmer

Iran

November 2020 - April 2020

Tasks and Achievements

- Accepting and Implementing C / C++ projects over the internet



Certificates

Advanced English Language

Institute: The Iran Language Institute (ILI)

August 2020

Link : drive.google.com/file/d/1ikaZvREoCuyVfysoS5eDTd04pb7R4G5h/view?usp=sharing

Android Application Development

Institute: University of Science and Technology of Mazandaran

August 2021

Link : drive.google.com/file/d/1Y5hiAnu6CGHqIGHoes8gDle9NIkJNo9G/view?usp=sharing

10 Days of JavaScript Challenge

Institute: Hackerrank

July 2021

Link : www.hackerrank.com/muhammad_ksht?hr_r=1&badge=10-days-of-javascript&stars=5&level=3&social=linkedin

Version Control with Git

Institute: Quera

July 2021

Link :

quera.ir/media/public/quera_certificate/e6e2dfc168d448c492c8a5938a250fba.jpg

JavaScript and JQuery basics course

Institute: Udemy

July 2021

Link : www.udemy.com/certificate/UC-68220259-0bde-40ae-92a9-d3e3e20e01ec/

Swift Programming Language

Institute: Udemy

July 2022

Link : www.udemy.com/certificate/UC-d2b8a0d9-63c9-40ef-b9be-55459f785904/



Projects

Note: Many projects that I worked on can't be showcased because they are private and can't be published

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Jalgorithm

November 2021

Jalgorithm, The Java library that provides all algorithms and data structures for Java developers out of the box. This is an open-source Java library that I am developing and I have gained the contribution of several people on it too.

Link : github.com/muhammadkarbalaee/jalgorithm

API docs

December 2021

The API documentation websites of Roshan.

Link : www.roshan-ai.ir/docs/alefba/

Roshan websites

All the websites of the company implemented with React

Link : www.roshan-ai.ir/

BMI calculator mobile app

Made this app using Kotlin and native android technologies as a practice towards mobile development

Link : github.com/muhammadkarbalaee/BMI-calculator-app

Newyork Airbnb data analysis

Link : github.com/muhammadkarbalaee/newyork-airbnb-data-analysis

Particle Systems demo website

A website showing the particle systems made with plain HTML CSS JS

Link : muhammadkarbalaee.github.io/particle-systems/

JSON-HTML parser

A DOM and JSON parser implemented in Java

Link : github.com/muhammadkarbalaee/JSON-HTML-parser

Github Crawler

Github crawler implemented using web scraping techniques in Java

Link : github.com/muhammadkarbalaee/github-crawler

Java stats

Some statistical measures and works implemented using Java with GUI

Link : github.com/muhammadkarbalaee/java-stats

Pentago Game

The Pentago game developed as a CLI-based application using C++

Link : github.com/muhammadkarbalaee/pentago-game

Suffix tree demo website

Link : muhammadkarbalaee.github.io/suffix-tree/website/visualizer/

Esmfamil game

Link : github.com/muhammadkarbalaee/esmfamil-game

Podcast player mobile application

Link : github.com/muhammadkarbalaee/menbar-flutter

Weather forecast mobile application

Link : github.com/muhammadkarbalaee/weather-forecast-app

Instagram desktop application

Complete client, server Instagram clone using Java

Link : github.com/muhammadkarbalaee/instagram-desktop-application

Multi-threaded PI calculator

Link : github.com/muhammadkarbalaee/multi-threaded-Pi-calculator



Personal interests

open-source development

educational content creation

