Samah Himoud

Software Developer

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Dubai

Single

samahhimoud

PROFILE

I am an experienced and versatile full-stack developer specializing in Android applications, back-end development, and embedded systems. With a strong focus on clean architecture and best practices, I consistently deliver high-quality software solutions. My collaborative approach allows me to thrive in team environments, working closely with designers, product managers, and stakeholders to create innovative and impactful solutions.

EDUCATION

Master's degree in Functional coating and nanofilms, National University of Science and Technology "MISIS"
2011 – 2014 | Moscow, Russia

Engineer's degree, Communication, Electronics, University of Constantine
2002 – 2007 | Constantine, Algeria

LANGUAGES

English ●●●●●

Arabic ●●●●●

French ●●●●○

PROFESSIONAL EXPERIENCE

TOPTAL, SOFTWAER DEVELOPER

December 2021 – present | Constantine, USA

EMBEDDED DEVELOPER

June 2015 – present | Algeria

With a track record of accomplishments and expertise in diverse areas, I have successfully developed a wide range of devices, led teams, and implemented automation solutions. Additionally, I possess extensive skills in Arduino programming, PCB design software, microcontroller handling, and various communication protocols.

SPEQS LIMITED, ANDROID DEVELOPER

February 2022 – July 2023 | Australia

In a collaborative, agile environment, I contributed to team discussions and delivered enhanced app experiences. My Android expertise focuses on code optimization, accuracy, and industry-standard frameworks for user satisfaction and business success.

VICTO, MOBILE DEVELOPER

April 2019 – December 2021 | Algeria

I've built productivity apps in Java/Kotlin in Android Studio, using Jetpack components and MVVM for performance, organization, and user experience.

VICTO, FULL-STACK DEVELOPER

April 2016 – June 2019 | Algeria

Experienced developer with a proven record in complex UIs, modern Android apps, attractive designs, and robust REST APIs. Prioritizes quality, reliability, and diverse technologies for exceptional software solutions.

RING ALGERIE, MOBILE PHONE REPAIR TECHNICIAN

April 2009 – August 2011 | Algeria

With experience as an official maintenance technician for Nokia mobiles at Ring Algerie, I have successfully repaired devices following Nokia's official reparation guide. Additionally, I effectively addressed customer complaints regarding their phones' condition, ensuring their satisfaction.

ALPROS SARL, ELECTRONICS ENGINEER

July 2008 – October 2008 | Algeria

During my internship, I had the opportunity to work on various projects involving embedded systems. I successfully built and implemented embedded systems using microcontrollers. I contributed to the manufacturing process by designing PCB layouts, connecting schematic diagrams, and routing PCBs.

PROJECTS

ETT

February 2022 – July 2023

A redesigned application now empowers users to performaccurate eye tests and identify common vision issues such as astigmatism and myopia. With improved functionality and user-friendly design, this application offers a convenient solution for assessing and monitoring eye health.

SKILLS

- Java
- Kotlin
- Android
- MVVM Architecture
- JetPack Components
- Firebase
- GIT(Github, GitLab).
- Single Activity pattern
- Coroutines
- Room
- navigation
- ViewModel
- LiveData
- Material UI
- Retrofit
- SqlLite
- Dagger-hilt
- Junit,
- Junit5
- Mockito
- MockK
- Dagger 2
- Espresso
- JavaFX
- CSS
- Gradle
- IntelliJ IDEA
- JavaScript
- RESTful APIs
- Node.js
- Express.js
- Jest
- Mocha
- Postman
- MySql
- MongoDB
- Mediapipe
- OpenCV
- OpenGL
- Adobe XD
- TDD

ProPrice

April 2020 – November 2020

The application has been developed to provide precise calculations for the final price of products, considering both the receipt amount and any additional items utilized. Its robust functionality ensures accurate and reliable results, fostering a seamless user experience.

VictoCalculator

June 2018 – December 2018

The application has been developed to streamline price calculations within a factory environment. This Android app, created using Java and Android Studio, offers an intuitive and efficient solution for accurate product pricing. With meticulous UI design, the app enhances productivity and effectiveness in the factory setting.

MAWDJA

January 2018 – July 2018

Introducing a system developed to diagnose startup problems in diesel engine-based vehicles. This innovative solution utilizes Crankshaft and Camshaft sensors to provide accurate diagnostics. With a user- friendly JavaFX front-end application and seamless connectivity through an Arduino-based device, users can efficiently identify and resolve startup issues, optimizing vehicle performance.

NAHLA

February 2017 – February 2018

The application has been developed to efficiently manage small factories, covering areas such as inventories, orders, sales, invoices, and financial matters. By utilizing JavaFX, the application was architected and built to provide users with a seamless experience. Effective deployment strategies were employed to ensure a successful launch. Additionally, a robust RESTful API endpoint was designed and implemented, undergoing rigorous testing to guarantee reliability and functionality.

AUTOCARE

July 2017 – October 2017

A system has been developed to monitor and control seven vehicle accessories, offering advanced functionality and efficiency. Led by my leadership, the team successfully created a stand-alone solution using ATmega328 technology, seamless Bluetooth communication, and Arduino-based device integration with vehicle sensors.

EBalance4LCD

November 2016 – July 2017

A system has been developed to automate weighing processes and enable USB printer
connectivity using Arduino in C++. With a user-friendly design, it integrates RFID technology for user
identification.