

# Ahmed Elmalla

Suez, Egypt

**Tel:** (+20) 1010723820 • **Web:** <https://elmalla.info> • **Email:** [akelmalla77@gmail.com](mailto:akelmalla77@gmail.com)

---

## Senior Android Developer

Talented Android Developer with over 17 years of software and web development experience in a broad range of industries includes healthcare, electronics, and automation. Special expertise in assessing risk and translating innovative ideas into technology solutions. Highlights include building the next generation of products leveraging frameworks, such as Android SDK for Onesignal and for Firebase.

## Achievements

- Designed award winning Healthcare products (the top 11 healthcare solution out of 1300 competitors – 30 counties) using remote working environment.
- Developed efficient Bluetooth libraries for communicating with medical bands.
- Developed a real-time system for ranking high performing Facebooks paid Ads.
- Completed German governmental projects in only 75% of the estimated time.

## Grants

- SAR 100,000 from King Abdulaziz City for Science and Technology (KACST) on September 2021.

## Work History

### CTO, Smart health Monitoring, Malaysia (2020 - 2023)

#### A startup for diabetes & cardiovascular diseases management solutions

- Built android applications for COVID tracing, smart watches diabetes remote monitoring & diseases predictions.
- Integrated FDA cleared medical devices (ECG 2 leads + vital signs measurements) and smart watches into a monitoring mobile app.
- Built AI software using Flask & python for predicting cardiovascular diseases based on vital signs.
- Designed the solution architecture and Restful API interfaces.

### Software Engineer, HalalWorld Enterprise, Malaysia (2016 - 2020)

- Built android applications for tourists, Sports and Bluetooth control devices.
- Worked with XML, JSON, Google Maps, GCM, Google Places API, Google Maps and Web APIs.
- Built PHP applications for cyber security, digital marketing, affiliate networks, discounts & coupons and sales funnels.
- Built libraries for Bluetooth communication, GeoIP tracking and for tracking FB ads results.

## **Work History — CONTINUED**

### **Projects Supervisor, MariMatic Oy, Dubai (2013-2016)**

Finnish company manufacturing Automatic waste collection systems

- Supervised computerized control projects in Sweden, Finland and Saudi using C# & SQL.
- Co-ordinated remote teams design & Installation activities in Sweden, Dubai, Saudi and Finland.

### **Project Manager, Komax Systems Malaysia, Malaysia (2011-2012)**

Swiss company (Public listed) Medtech.

- Managed high profile medical software projects.
- Led multi-cultured teams of more than 10 people for supporting production teams.
- Developed data analysis software using C# to collect smart cameras data.

### **Project Leader, Smartrac Automation Sdn Bhd, Malaysia (2010-2011)**

German company (Public listed) Electronic products

- Managed US & German government e-passport & e-ID projects.
- Led diverse teams in overseas installation tasks (mainly in Germany & Thailand).

### **Senior Software Engineer, Smartrac Automation Sdn Bhd, Malaysia (2006-2010)**

German manufacturer RFID products

- Completed more than 30 software development Projects (C++, VB, PLC, G-code).
- Led R&D Team products improvements.
- Built vision Applications using smart Camera's.
- Provided Front line support for overseas clients (Germany, Brazil, and Thailand).

### **Technical Support, Miratex Co., Egypt (2003 - 2005)**

Textile production Company

- Solved Oracle DB failures and created scripts to automate tasks (printing, backup and data uploads).
- Planned, optimized and managed large scale network Infrastructure.

### **Embedded Systems Programmer Internship, CAD-UL AG, GERMANY (2000)**

German Software house

- Built STPC microprocessor plugins for cross-compiler tools using VC++.

### **Textile machinery engineering Internship, W.Schlafhorst AG, GERMANY (1999)**

German machinery builder

- Trained on automation & software technologies.

## EDUCATION

### **Nanodegree: Data Analysis in Python**

From: Udacity, 2021

### **Bachelor of Science: Electrical & Computer Engineering**

Institute: Higher Technological Institute, 2001

Town: Tenth of Ramadan City, Country: EGYPT.

## Certificates

- Certified Project Manager - PRINCE2 (Candidate no. P2R / IN079488) – (APMG - UK).
- Certified Social Media strategist – Hubspot Academy – 2019

## Training

- Data Analyst in SQL Track - Udacity
- Android Development - Udacity
- AI in HealthCare Specialization - Stanford University (to be completed by September 2023)
- Software product management specialization – University of Alberta (to be completed by mid of 2024)
- Introduction to medical software – University of Yale (in progress)
- Kotlin for java developers – JetBrains (in progress)
- Viral marketing & crafting contagious content – University of Pennsylvania (in progress)
- Effective problem solving & decision making – University of California, Irvine (Final Exam)

## TECHNICAL SKILLS

- **Programming Languages:** PHP, Java, Ruby, C# (.NET4), SQL, PLSQL, C, C++, VB6, CSS, JS, HTML, CSS, Python, FLASK.
- **Tools:** NetBeans, Visual Studio, Toad, XAMPP, Google Analytics, SimilarWeb, Android Studio, OpenCV, PyCharm, Jupyter notebook.
- **Databases:** Oracle Database, SQLite, MYSQL

## **PERSONAL DETAILS**

- **Spoken Languages:** English (Fluent), Arabic (Mother Tongue), Malayu (basic).
- **Permanent Address:** 21 lorong KTC 3/7, Kulim Techno city, Kedah, Malaysia