

# Omar Ali Ibrahim-Marosh

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Software Architect | B.Tech Electronics | Robotics Engineer

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## Work Experience

### Founder & CTO | Marosh.Tech SRTIP, Sharjah

December 2020 - Now

- Developed a new blockchain Smart-Contract for Avalanche & Solana
- Added new features to amdlc.com (In-app QR code scanning for meal distributions)
- Developing an upwork like platform for large projects with AI based SRS validation
- Developing RealEstatePro.ae - a state of the art Real Estate management solution

### Technical Consultant | SoiLab.ae SRTIP, Sharjah

December 2020 - April 2021

- Helped resolve development issues with SoiLab's backend system
- Setup their web presence
- Setup their servers and virtualization for access doors, backend systems etc

### Senior Project Manager | IntellisaaS

January 2019 - January 2021

- Spearheading implementations in the UAE Market
- Product training
- Business Development

## **Software Solutions Architect | Land & Real Estate Regulations, Ajman Government**

**February 2017 - August 2021**

- Implemented and launched automated digital signatures on title deeds
- Responsible for overseeing and enforcing strict security guidelines within our IT processes
- Implemented a universal title-deed verifier by using strict security and fraud-prevention measures
- Developed an in-house workflow-engine that automated all digital services on web, third-party APIs and Mobile services

## **Founder | Base\*Radius Robotics School, Ajman**

**October 2015 - January 2017**

- Started a robotics teaching institute in Ajman with an emphasis on school children
- Taught over 120 students over the span of 1.5 years
- Worked with numerous schools in Ajman & Sharjah to set up robotics curricula and labs

## **IT Specialist - Land & Property Department, Ajman Government**

**March 2012 - October 2015**

- Implemented from scratch Land department's registration system on the LAMP Stack
- Saved the department over 7 million AED by implementing and using open-source tools
- Was primarily responsible for ensuring the department is the first local government department to attain the 5 star rating by Sheikh Mohammed bin Rashid's customer-service excellence programme

## **IT & Oracle System Trainer | Al Tayer Group, Dubai**

**September 2011 - February 2012**

- Trained all of Bloomingdales and Harvey Nichols staff on the newly launched Oracle POS 360 systems
- Built VBA based Excel workbooks for the HR department to hasten their analysis and recruitment efforts (no HR systems were present at the time)

## **OpenERP Integrator | Rodl Middle East, Dubai**

**June 2011 - August 2011**

- Implemented the HR Module on OpenERP by designing workflows using Python

## **IT Trainer | Al Tayer Group, Dubai**

**January 2009 - May 2011**

- Trained Department Managers on ProClarity Business Intelligence tool
- Trained the finance department on Advanced Excel skills
- Was chosen to train on 3 of the 8 major modules of the Oracle Retek implementation

## **Robotics Instructor | ThinkLabs, Mumbai**

**August 2008 - December 2008**

- Trained at over 10 engineering institutes and over 500 students Robotics 101
- Wrote the full manual on the Robotics 101 3-day workshop

## **Founder | Omar Technologies, New Delhi**

**August 2001 - August 2008**

- Developed the Apollo Hospital's Out Patient Department booking system on Oracle and VB
- Setup network infrastructure for Qatar, Oman and the Palestinian Embassy, New Delhi
- Developed non-linear encryption software for transitive messages through unsecure channels
- Refurbished Desktop computers, and was the official reseller for the Ubuntu OS for New Delhi

# Education

## **B. Tech - Electronics & Communications | UPTU, Lucknow INDIA**

August 2003 - June 2007

- Organized the first ever 5 day TechFest in IEC College of Engineering & Technology
- Introduced our batch to Embedded Systems and Robotics

## **Higher Diploma in Software Engineering | Aptech, New Delhi INDIA**

May 1999 - May 2001

- Visual Basic, Oracle RDBMS, Java, Windows Server Management, C#
- Wrote Apollo Hospitals (Noida, India) Patient Management System on VB and Oracle DB

# Skills

## Computer Engineering

- Python, PHP
- JavaScript, HTML, CSS3
- C, C++, Bash Scripting
- Linux server management, Windows Server management
- MySQL, MariaDB, MongoDB

## Electronics Engineering

- Electronics 101, designing circuits from discrete electronic components
- 8051, AVR, Raspberry PI's, Teensy, IOT
- Using and building sensors

## Mathematics & Physics

- Matlab, NumPy
- Machine Learning
- Building physics models, simulations
- Information Theory, Cryptography

## Personal

- **Personal Website:** <https://omarali.me>
- **LinkedIn:** <https://www.linkedin.com/in/omar-ibrahim-marosh-1a03b11a3/>
- **Languages:**
  - English | Fluent or Native
  - Arabic | Fluent or Native
  - Hindi/Urdu | Fluent or Native
  - Russian | Basic spoken and written
  - Bulgarian | Basic spoken and written
- **Passport:** Bulgarian, Valid till 2025
- **Current Visa:** Ajman Government, Land Department
- **Vaccination:** Dual vaccination, Sinopharm
- **Driving License:** Valid till 2023 (Manual & Motorcycle)
- **Date of Birth:** 10 January 1985
- **Marital Status:** Married, 2 children (9 and 7)
- **Availability:** Immediately Available