

AYMAN MIRGHANI OSMAN

Embedded software engineer

Personal Information

Date of birth: 05-04-1990
Mobile + whatsapp: +249-991421478
E-mail: ayman.mirghani@hotmail.com

Profile

I am Embedded System Engineer, I worked for more than 8 years in field of UAV industry. I worked with many different UAV Applications, Projects, and Testing. I have a good experience with embedded software, C, C++, Java, and Android. I have a good knowledge and experience in arduino and ARM.

Education and Trainings

- **Embedded Systems Higher Diploma**
Alneelain University
- **B.Sc. in Electronics (Computer) Engineering (First Class)**
Sudan University of Science and Technology
- **Microsoft Visual Studio with C++ Training**
Multisoft Systems, India
- **ARM Microcontroller Training**
Multisoft Systems, India
- **Advanced Embedded Software Training**
Microtel, India

Skills

- Project Management.
- Embedded System design.
- Microcontroller programming using C on ARM LPC (2148 and 4357).

- Software development using (C and C++)
- Ground Control Station software using (C# and .Net).
- Medium knowledge with embedded linux using Beagle bone black.
- Design and programming mobile applications using android.

Projects

- Program the UAV Autopilot from scratch.
- Extract telemetry and telecontrol frames.
- Design and programming of Ground Control Station software.
- Transport application on mobile using Android.
- Connect between different payloads and autopilot.
- Reprogramming autopilot code using different modules (ADC and PWM boards).