



Ahmed Mohamed Alaa

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Summary

Self-motivated, results oriented and highly organized project management professional with 10+ years experience in multiple areas including training, startups support, planning and embedded systems.

Experience

Technology Lab Engineer

Information Technology Industry Development Agency, ITIDA

Apr 2019 - Present (3 years 10 months)

- Responsible for maintaining, updating and safely operating the physical space and the equipment of the technology labs
- Managing resources to sustain the labs operations
- Supervision and delivery of the technology labs business focused activities to engage local creative and technical entrepreneurs, students and graduates, and industry partners

Web Developer

Alex Soft

Feb 2018 - Apr 2019 (1 year 3 months)

- Participate in developing websites for clients
- Responsible for developing WordPress plugins and themes
- Perform testing on other projects when needed

Embedded System Engineer

Pinerium

Jul 2017 - Jan 2018 (7 months)

- Participated in firmware and hardware development of a fleet management system
- Embedded systems instructor at Pinerium academy division
- Negotiate and achieve partnerships with local startups (Rafahia Tech, XIOT)
- Traffic lights management system project team leader

Firmware Engineer

Inovation Inc.

Jul 2016 - Mar 2017 (9 months)

- OpenWrt derived firmware development for WiFi access points and routers
- Participated in the development of Inovation's Ino-Mesh firmware, based on Buildroot embedded Linux build environment
- Participated in remote networks testing procedures

Embedded Systems R&D Engineer

Technical Research Center of the Egyptian Armed Forces

May 2014 - Apr 2016 (2 years)

- Participated in the development of navigation and control software of UGV
- Performed unit testing for different embedded software components
- Performed quality inspection on PCBs

Electrical Engineer

Modern Steel Formation Co.

Jan 2013 - Sep 2013 (9 months)

- Design and build power and control systems for products (cooling towers, stirrers, belt conveyors)
- Performed electrical installation and maintenance for the workshop machine tools

Printed Circuit Board Designer

Berry Team

Mar 2012 - Aug 2013 (1 year 6 months)

- Design and prototype various PCBs (breakout boards, Arduino clones, ATmega based development boards)
- Performed quality inspection on PCBs after manufacturing
- Achieved partnerships with local electronic components suppliers and PCB manufacturers

Education

Alexandria University

Bachelor of Engineering - BE, Electrical, Electronics and Communications Engineering
2007 - 2012

- Graduation Project: Security System Using Swarm Robots

A group of robots work together to draw a map of a closed area and then roam the space looking for intruders. I was responsible for map visualization using MATLAB and environment independent localization.

Licenses & Certifications

edX Verified Certificate for Agile Leadership Principles and Practices - edX

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Embedded Systems Diploma - PiTechnologies

Skills

Quality Inspection • Hardware Testing • Product Development • Vendor Partnerships • Electrical Troubleshooting • Electrical Wiring • Hardware Installation • Electrical Maintenance • Relay Logic • Printed Circuit Board (PCB) Design