Ziad Azzabi

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in ziadazzabi

📍 London, UK

🎓 EDUCATION

MSc Management Information Systems,
University of Surrey
2014 – 2015 | UK

BEng Electronics Engineering,
University of Surrey 🔗
2012 – 2014 | UK

🖐 SKILLS

C JS PYTHON JQ CSS HTML GIT	● ● ● ● ●
Web3 Technology Stack (L1-L4)	● ● ● ○ ○
Rust React SQL Matlab C#	● ● ● ○ ○
C++ Go Java Ruby A-Frame	● ● ○ ○ ○
Design/Art	● ● ● ○ ○

UX/UI, Analytical Sketching, Colour Theory, Process Analysis, Composition.

Personal Skills
Sociable, Organised, Goal Oriented, Team Player, Attracted to challenges.

🎸 INTERESTS

Blockchain Tech | Innovation Addict

Football | Technology Strategies | Tennis

DIY | Internet of Things *(IoT)*

Ask How & Why in anything technical.

🌐 LANGUAGES

English	● ● ● ● ●
Arabic	● ● ● ● ●

💼 PROFESSIONAL EXPERIENCE

Sollatek 🔗

Electronics Design Engineer
2016 – present | UK
- Responsible for hardware design of a Port Expander for Sollateks' energy management devices which features GSM, BLE & WiFi connectivity (plugins).
- Heavily involved in technical communication with stakeholders and clients for future proofing their needs.
- Designed and maintained hardware and firmware of multiple displays that connect to Sollateks' cooler controllers.
- Involved in developing capacitive touch switches for one of Sollateks' cooler controllers.
- Fully designed and deployed various automated PC based test procedures for Sollatek products to facilitate production

Graduate Electronics Design Engineer
2015 – 2016 | UK
- Fully designed the hardware and firmware of a Programming Dongle that is used to reflash ST microcontrollers (including C# GUI).
- Identified and investigated Problems and known Errors, including preventing the replication of problems found.
- Designed Graphical User Interface using C# for a developed product.

Electronics Design Internship
Jul 2014 – Sep 2014 | UK
- Responsible for finding the root cause of issues present in returned products, providing full analysis reports on findings from various tests to narrow down and prove the root cause. Including providing a suitable solution to the issue.
- Heavily involved in creating and issuing firmware for a GSM modem, with exposure to mobile & internet protocols.

📁 PROJECTS

Development of a Weight Measurement System for an Industrial Bin (IoT)
- Fabrication and development of a Weight Measurement System for an industrial bin that reports its full or not status to a cloud.
- Four 433MHz transmitters with weight sensors (located in the wheels) and one transceiver with 2G capability to send data via HTTP protocol.
- University of Surrey map view with bins location and status can be viewed via a Web application.
- Experience gained in Embedded Programming, IoT Communication Protocols, Handshaking Mechanism, Weight Sensor Measurement tuning, Project Management and more.

Seat Booking System (iSeat)
- Developed an embedded device that can be installed into any seat to make it smart (bookable, and provides health data to the user such as temperature & heartrate).
- Temperature sensor uses IR radiation for high accuracy measurements.
- Weight sensor that involves a stick-on Vostolat resistive sheet to detect occupancy.
- Heart rate sensor to measure heart from the user's fingertip.
- Use cases tested in University of Surrey: Lectures Seat Booking, Students Attendance, Health monitoring, E&A Seats, Cafes & Restaurants.

Co-Founder & Paint Specialist,
Masterflip
2017 – 2019 | France
- Co-founded a fashion brand that manufactures handmade Apparel products.
- Developed durable special effects paint that changes colour depending on an affect (Hydro, Heat & UV light).
- Developed and maintained an e-commerce website for the business.

Technology Strategist & Co-Founder,
Almenuo
2016 – 2017 | Libya
- Co-founded a subscription, booking & points based business for restaurants/cafes in Tripoli, Libya.
- Fully responsible of the technology side of the business from developing a phone application for users and platform for business owners.
- Utilised NFC technology for users to attend bookings and collect points to redeem in restaurants/cafes.