MUZAFFER NIZAM

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Profile

Electronic Hardware Design Engineer from 2015 to now. Senior in Industrial Electronic, Lift Control, Robotic, Consumer Electronic, Automotive, and Biomedical. An enthusiastic and ambitious engineer. Willing to work with different projects. Team worker and researcher. Experienced electronics design engineer with a demonstrated history of working in R&D Departments for more than 7 years. Skilled in Digital and Analogue electronics design. Possess the analytical abilities and technical skills necessary for engineering innovative designs and applications. A solid track record of researching, designing, debugging, and producing high precision components and systems. Flexible and focused with an in-depth understanding of electronics engineering theory, industry-standard circuit design, complex design.

Education and Training

- Akdeniz University	**@Antalya,Turkey**	October. 2016

Bachelor's of Science, Electrical & Electronics Engineering

https://eng.akdeniz.edu.tr/

- British Culture Language Schools	**@Antalya,Turkey**	March. 2023

English Language B2-Upper Intermediate

Certificate Code: 8882201740

https://verifiedportfolios.com/

Professional Experience

☑ **Acri Industrial LTD - Sr. Hardware Design Engineer**   Apr. 2022-Present

https://www.acritechnology.com/

*Responsible for designing Schematic, PCB and Hardware Testing, Report

*Responsible for these projects; Lift DC Door Control Driver project, Tracker Fault Errors and Remote Control with LTE Project, Lift Main Control Board , Test Machine Main Board for Manufacturing

☑ **Ake Elevator & Escalator LTD - Sr. Hardware Design Engineer**   Feb. 2021-Mar. 2022

https://ake.com.tr/

*Responsible for designing Schematic, PCB and Hardware Testing, Report

*Responsible for these projects; Lift DC Door Control Driver project, Tracker Fault Errors and Remote Control with GSM Project, Lift Cabinet Button Main Board , Top and Bottom Lift Cabinet Boards,   Floor Calling Boards, Water Vending Control Boards, Escalator Doppler Radar Projects.

☑ **Desird Design R&D A.S. - Mid. Hardware Design Engineer**   May 2018- Feb 2021

https://desird.com/en/

*Responsible for designing Schematic, PCB and Hardware Testing, Report

*Responsible for these projects; Test Machine Main Board for manufacturing, Lift BLDC Door Control Driver project, Linear Motor Projects for Lift Motors, Railway Peron Separator BLDC Door Control with Safety Relay (SIL-2 certified)

☑ **Desird Design R&D A.S. - Jr. Hardware Design Engineer**   Aug 2015- Oct 2017

https://desird.com/en/

*Responsible for designing Schematic, PCB and Hardware Testing, Report

*Responsible for these projects; Lengthening Nails (Biomedical), IOT projects (Consumer Electronics), Telemetry Projects (Energy Services), Test Machine Main Board for manufacturing, Lift DC Door Control Driver project

☑ **Turkcell Communication A.S - Intern Electronics Engineering**   Jun 2013- Sept 2013

https://www.turkcell.com.tr/

Personal Details

Total years of experience: 7 Years 3 Months

Eligible to work in: Need to Sponsorship Visa

Hardware Competence

Planning Design Block, Simulation, MCU Pin assignment, PCB Design Compliant to IPC-2221 standards, Design Compliant   to EMC & EMI standards, Multi layer   PCB Design at 2,4,6 and more layers, Decide different temperatures density PCB Materials FR4 TG130-140-170-180, Poly amide etc, Create Symbol and Footprint of Component, Power Circuit Design as Switching Regulator, Switching Controller, PMIC, DC, BLDC, PMSM Motor Control Driver Design as discrete or using module, Communication circuits design using SPI, I2C, DAC, RS485, UART, Ethernet, CAN Bus, GSM, GNSS, Bluetooth, RF Sub 1 GHz, 433 MHz, Wifi 2.4 GHz, FSK, Analogue circuit design such as ADC, DAC, Active and Passive Filter, Current Read, Voltage Read, Design with these MCU's & Modules ; STM32xx,   CC13xx Ti, TM4Cxx Tiva Series MCU, RK3399, Quectel MC60xx (GSM), EC200xx (LTE), EG915xx(LTE), Creating Gerber Files, Pick & Places Files, DXF and Step files for Mechanical Design, Prepare Bill of Materials List.

Firmware Competence

C Programming Language, Generating code with STM32CubeIde and prepare low level driver library, Hardware Verification with Firmware, Firmware Testing with pooling mode, Interrupt Mode, DMA Mode,UART/USART Communication, Mod Bus ,CAN Bus ,SPI, I2C Communication, Analogue Input, DAC Output, PWM Generation, General Inputs and Outputs.

My Sample Projects Link

https://github.com/muzaffernizam/My-Projects

Certificates

-> TUV NORD	Apr 2019

Safety Integrity Level for RAILWAY SYSTEM ELECTRONICS

-> ENTEK EDUCATION TECH	Dec 2012

Humanoid Robots Industrial Automation

Hobbies

Latin Dances (Salsa & Bachata), Theatre, Chess, Bycle