Dost Muhammad Shah

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Professional Profile

A self motivated and dedicated professional who specialises in electronics engineering with valuable experience in the application of design and programming expertise to specific project requirements whilst conducting effective testing, analysis and review. Quick to assimilate new ideas, concepts and cutting-edge technologies whilst demonstrating a logical and analytical approach to solving complex problems and issues. Able to work well on own initiative while demonstrating the organisation and prioritisation required to achieve project deadlines and deliverables. Enjoys being part of a successful and productive team, and thrives in highly pressurised and challenging working environments.

Objective

Currently seeking a new and challenging position, one that will make best use of existing skills and experience whilst enabling further personal and professional development.

Career Summary

2010-Date   DESIGN AND DEVELOPMENT ENGINEER, Kindows Tech Solutions
- Playing a key role in the design and development of electronic products to enable automation and control across a number of projects
- Managing projects from initial concept stage to final PCB design, production and certification including the design of multilayer boards and complex digital and analogue circuitry
- Undertaking hardware design and software/firmware development whilst completing associated testing and simulation to trouble shoot potential design issues
- Liaising extensively with suppliers to secure components to the required specifications whilst negotiating on price to ensure cost effective operations
- Designing and constructing prototype PCB's for testing in addition to liaising extensively with fabrication houses to ensure correct fabrication and assembly
- Supervising installation of security systems, automated access control and alarm systems

Key Projects
- Developing specialist control panels for gates and automated barriers with features including remote data logging and control via RS 485 commands, GSM modem interface and encoder for stall detection
- Constructing RF based professional remote control and receivers with features such as device learning
- Undertaking TCP/IP based remote logging, sensing and control of devices with features including light temperature humidity, air pressure and password based sensors to control devices such as AC lightings and alarm systems
- Creating a building management system utilising Web Servers
- Developing GSM based automation for homes and offices utilising GSM engines and microcontrollers to control and configure via SMS or telephone call
- Assisting in the development of a central point of sale system for fuel stations utilising GPRS based automation and data transfer tools
- Developing a conveyor belt system with the ability to filter different materials to the relevant containers and thus improve production efficiency

2009   INTERNSHIP, PTCL Pakistan
- Successfully completing a 2 month internship within a leading telecommunications service provider with responsibility for assisting in the maintenance of the Siemens EWSD digital switch
- Gaining valuable experience in all aspects of the system including RLU, DLU, RSU, LTG, SN and CP and their associated connections to PCM, MDF, GSM and the external network

Education and Qualifications

BE: Electronic Engineering *(2009)*
NWFP University of Engineering & Technology, Peshawar

Further Training

Introduction to Artificial Intelligence
Introduction to Database Systems
Machine Learning
Programming a Robotic Car

Key I.T. Skills

Programming:

C for uController, C, C++	Matlab
VHDL (Verilog)	AVR, PIC, 8051 Assembly

Operating Systems & Office Applications:

Windows 98, 2000, XP, Vista, 7	Microsoft Access
Microsoft Excel	Microsoft PowerPoint
Microsoft Word	

Engineering Software:

Livewire	Multisim
Electronic Workbench	Modelsim
D-Schematic	AutoCAD (2D),
Cadence Allegro	OrCad
Kiel Micro vision	AVR Studio 4/5
CADSOFT Eagle	Proteus
WINAVR GCC	Codevision AVR
MPLAB	PCB WIZARD

Personal Details

Languages: English *(Fluent)* Arabic *(Intermediate)*
Other: Driver; full clean licence

Interests and Activities

Currently include: DIY, Photography

References

Qais Al Kindi
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