
JOHN A. FAISON

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PROJECT MANAGER

OBJECTIVE

Hardworking, innovative, and highly motivated **Project Manager** seeks position combining solid Electrical Engineering skills and over 12+ years of controller circuit design 7+ of those years in Project Management and expertise in the following areas:

- **Micro & Analog Circuit Design**
- **Reverse Engineering**
- **EMC Compliance**
- **Specifications & Schematics**
- **Project Management**
- **Analysis & Problem solving**
- **DV & PV Testing**
- **Diagnostics**
- **APQP**
- **Project Engineering**
- **Prototype Development**
- **Benchmarking**
- **Hardware & Software**
- **Pilot & Product Launches**
- **Product Engineering**

PROFESSIONAL PROFILE

- Charismatic and collaborative, able to interface with international colleagues, customers, and suppliers
- Capable communicator, able to explain technical and non-technical information to diverse individuals
- Driven to acquire new language skills to better interface with colleagues and affiliates worldwide
- Demonstrated acumen for leadership, team building, and management
- Superior diagnostic, analytical, and problem-solving skills in both electrical and IT engineering technology
- Brings supplementary understanding and passion for business gleaned from prior success in sales career
- Highly Effective Project & Program Management skills

CAREER PATH

KEY FUNCTIONS:

- Design micro-controller based modules for automotive applications in compliance with EMC regulations
- Develop Electronic schematics and PCB layouts utilizing Veri-Best
- Perform reverse engineering, dissecting competitor modules utilizing ORCAD schematic capture
- Compile test and module specifications
- Oversee prototype assembly, first runs, DV, EMC, & PV testing, benchmarking, and scheduling
- Install and calibrate modules on trucks, minivans, cars, and test drive vehicles
- Travel as necessary, both domestically and abroad, to provide support and assess the quality of performance of products for customers
- Perform on-site troubleshooting and problem solving
- Recommend and implement proactive strategies to preempt future technical difficulties
- Cultivate lucrative relations with customers to ensure optimal levels of satisfaction
- Serve as resource interfacing regularly with engineers, suppliers, and manufacturers
- Project Manager tracking tasks, presentations, meetings, quote process, & demonstrations

ACHIEVEMENTS & MILESTONES:

- Collaborated in the development of innovative Core Door Module implemented across multiple platforms [LX]
- Effective leadership skills in turning around a Mitsubishi project that had engineering & supplier issues, and was behind. Ten weeks after I took over, the project was on schedule, solutions for all engineering issues were implemented, and the suppliers were back on track.
- I solved a major design issue on a GMT800 sunroof controller by analyzing the supplier's design and proposing the solution.
- Designed and redesigned U-Van series Front Wiper Controllers to increase functionality, thereby eliminating major warranty return incidences and significantly reducing costs.
- Designed active filter circuitry for InterAct Test Rig that was subsequently adopted as part of manufacturing line for end-of-line solenoid testing
- Oversaw EMC testing to resolve problematic circuitry
- Designed and upgraded Analog and Micro-controller-based Wiper Controllers for improved reliability and cost effectiveness
- Prevented a recall by optimizing the manufacturing process on a product line with a design flaw. Later, I redesigned the product line resulting in increase reliability, lower costs (saved \$1.10 per board), and increased profits.

EDUCATION

Bachelor of Science in Electrical & Electronic Engineering 96
DeVry University

PROFESSIONAL DEVELOPMENT

Professional Communications (2 courses) 00 – 01
American Management Association

Spanish for Business Communications 98

German for Business Communications 00 – 01

CANalyzer & CANoe 02

Program & Risk Management from SAE 07

TECHNOLOGY

Electronics:

- Wiper Controllers
- Lift-gate Modules
- Sunroof Controllers
- LED Tell Tail Displays
- Window Regulator Controllers
- Anti-Trap Technology
- Slip Control
- LED lighting circuitry
- Seat Modules
- Key Fobs
- ABS Braking/ESP
- Clusters

Embedded Software Languages:

- C++
- Pascal
- Assembler
- Visual Basic

PC Software:

- Workbench Power Pro
- MS Office Suite
- Dip Trace
- Veri-Best Schematic Capture
- MS Windows 2000 / XP/ Vista
- ORCAD
- Adobe Acrobat

AFFILIATIONS

- **Institute of Electrical & Electronic Engineers (IEEE)**
- **Society of Automotive Engineers (SAE)**

EXCEPTIONAL REFERENCES AVAILABLE UPON REQUEST

EXPERIENCE

PROJECT MANAGEMENT

11/2006 – 9/2007

Body Electronics & LED Lighting

Magneti Marelli USA (Contract)

Manage quote process with manufacturing plant, Customer Interface, Assure tasks are completed in a timely manner, Critique Manufacturing for customer visit support; Presentations, Engineering support, design engineering, Prototypes for demonstrations, timing, etc.

8/2005 – 11/2006

Brakes

TRW Automotive Livonia (Contract)

Develop Timing in Project for the Program, Procure Costs (BOM), Assigning tasks, following up with hardware, software, manufacturing, and management to assure task are complete on time. Customer Interface & Support; Validation, Change & Release Control, Design Reviews, & Presentations in PowerPoint

12/2003 – 4/2005

Sunroofs

Inalfa Sunroof Systems (Contract)

System Integration: work with suppliers on all technical issues and designs, design review concept to production product, electronic module integration issues, Weekly meeting with supplier & purchasing; **Project Management:** manage various programs from a project point of view including manufacturing, pilots builds, FMVSS verification, DV & PV monitoring; **Electrical Engineering Support** for the OEM, Inalfa, & Supplier, DV, PV, Runoffs, Pilots, Launches; **Advance Projects:** Electrical design concepts of new projects (Multi-panel sunroof); & Supplier Development: Develop new supplier for VA/VE and new programs requiring more advance circuitry

5/2000 – 11/2002

Window Lift

Conti Temic

Product Engineer/Project Manager: Worked with micro-controller based designs, which included the ST7 with Flash, & the Motorola MC68HC908AB16 w/ Flash; Several projects used the ST7 and CANoe software. The controllers were fully controlled by CAN and communicated with the vehicle via CAN bus. Controller had full diagnostics and controlled the window lift motor with express up anti-trap feature, mirrors with memory, puddle lamp, seats with memory, signal lamp, etc. This module is a Core Door Module, which means it will be used across multiple platforms.

Reverse Engineering: Modules from other manufactures were taken and dissected. A schematic using ORCAD schematic capture was used to create a schematic of the module. Specifications were created that described exactly how the module operated. The specification included a BOM with data sheets of all components.

QUALITY & CUSTOMER SUPPORT

1/2003 – 10/2006 Part time

Amplifiers & Speakers

Bose Corporations

Visit automotive plants to review the quality and performance of Bose products provided to our automotive customers. Troubleshoot issues, respond to problems and provide feedback to Bose manufacturing and design groups to enable proactive prevention of future issues. Utilize strong diagnosis and problem-solving skills, and keep a good report with the OEM customers on site. I also supervise first run product to assure there are no issues and if there are, I record them for my Bose colleagues.

DESIGN ENGINEER

4/1997 – 5/2000

Wiper Modules

Valeo Wiper Systems

Designed Analog & Micro-controller based Wiper Controllers to meet customer specifications. The Motorola MC68HRs, & National COP8s were used on Micro-controllers designs. Participated in EMC testing to rectify problem circuitry, Conducted Environmental Stress tests to validate new designs, Wrote DVP&R's, Participated in DV & PV Testing, Installed & Calibrated Modules on Trucks, Minivans, Cars, & Test drove vehicles; Participated in PPAP's, Gave support for current production controllers, redesigned current controllers, found solutions for customer complaints, wrote Product/Process Change Requests, & Engineering Work & Test Requests, 8D Reports, Module Specifications, Traveled to support prototype builds, gave manufacturing support, created Test Specifications, performed circuit analysis, developed prototypes, and conducted meetings with vendors, customers, and fellow staff.

Achievements: Designed the Front Global Wiper Controller for the GMT800 series, designed the Rear GMT800 Controller, designed the GMT250 Front Wiper Controller, and redesigned the U-Van series Front Wiper Controller; All Wiper Controllers are EMC compliant at the component level & vehicle level. Controllers have superior functionality and quality and solved major warranty return issues.

9/1996 – 4/1997

Actuators

Lucas

Designed Electronic schematics and did PCB layouts using CADSTAR for windows. Assembled prototype units, and conducted tests on prototypes with state of the art HP measuring equipment. Conducted temperature tests on solenoids, coil to case, and case to ambient. Created graphs to plot results of temperature test & frequency vibration tests. Signal-conditioning board for testing solenoids interfaced with PC.

Achievements: Designed active filter circuitry for the InterAct Test-Rig. The Butterworth Filter theory was used. Op-Amps are the active components. The Test-Rig is now used on the manufacturing line for end-of-line solenoid testing.