

Terry D. McGill

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EXPERIENCE AND ACCOMPLISHMENTS

Management/Supervision

- Software Engineering Manager of four wheel drive software development group.
- Direct supervision of employees on a global scale for embedded automotive applications.
- Contributed to acquisition of new programs for approximately \$50 million in annual sales.
- Acquired, directed and managed multi-million dollar commercial vehicle test system effort.

Software Applications

- Led software engineering effort which included design and implementation of embedded application using C and assembly language for 32 bit microprocessor.
- Designed object oriented software architecture for embedded automotive applications.
- Adhered to CMMi Level 3 Process requirements.
- Developed a function model auto-coding method for embedded body controller application.
- Developed distributed system concept and architecture for a commercial vehicle test system. Application developed in C++, C, SQL and ASP on MS server/client architecture.
- Developed distributed system concept for a material tracking system in the manufacturing environment. Application developed in C++ and C on Sun Solaris system.
- Acquired Microsoft System Engineer Certification (MCSE) for NT4.0.

PROFESSIONAL EMPLOYMENT

Continental AG/Siemens VDO Automotive, Huntsville, AL

2005 - Present

Software Engineering Manager, Transmission Business Unit

Responsible for hiring, supervising, evaluating, training and mentoring software development team. Functionally responsible for global development and design of four-wheel drive embedded software applications – work closely with developers in Romania, Germany and the United States. Direct interface with customers in the US, Europe and Asia. Responsible for budgeting, allocating resources and implementing business requirements. Quote software development and negotiate costs with customers and key suppliers. Provide technical input for technology roadmaps, software architecture, platforms and tools in coordination with division and central function strategies.

Continental AG/DaimlerChrysler Electronics, Huntsville, AL

2002 - 2005

Lead Software Engineer for Body Electronics

Responsible for Totally Integrated Power Module (TIPM) software development, integration, debugging and delivery to DaimlerChrysler Corporation. Developed boot loader, application and device drivers for embedded application using C and assembly languages. Integrated third party OSEK RTOS and CAN drivers. Evaluated and implemented change requests to meet customer and management expectations. Developed a Statemate Model auto-coding method for modeled features in C. Developed object oriented software system architecture for body electronics which facilitated re-use of main software components across platforms.

Continental AG/DaimlerChrysler/Chrysler, Huntsville, AL

1998 - 2002

Design Engineering Supervisor

Led direct and contract personnel (including electrical, mechanical and software engineers) in development of automotive assembly plant systems – including hand held testers, RF current probes, flash systems, end of line electrical testers and commercial truck test systems. Designed and developed software system database for multiple applications using SQL server, Access and FoxPro. Created web-based user interface for test information input and reporting (Active Server Pages and HTML), and test system user interface for human machine interface (C++ and Visual Basic). Responsible for system administration of Microsoft server/client installation. Trained on-site field personnel for commercial test system.

Continental AG/Chrysler, Huntsville, AL

1985 - 1998

Software Engineer

Developed various software applications within the test engineering group – including in-plant electrical test systems software, vehicle assembly plant trim, chassis and final tester software, multi-head PV test system software and material tracking IS software. Developed RS232 and GPIO device drivers. Created parallel port device driver for field development of a tank test system (incorporated embedded floating point arithmetic development). Developed multi-head PC test system software and report generation software for Factory Automated Component Test System (FACTS).

EDUCATION

Bachelor of Computer Engineering

1984, Auburn University, Auburn, AL

COMPUTER SKILLS

- Real time operating system experience for embedded applications.
- Embedded software development in C and assembly languages for 16 and 32 bit microprocessors.
- Emulator and debugging software on embedded systems.
- Extensive Controller Area Network (CAN) experience.
- Microsoft Server System Administration.
- Engineering intranet server design, installation and maintenance.
- SQL Server, Access and FoxPro Database administration, design and development.
- C++, C, Visual Basic, HTML, ASP, Pascal and Assembly languages.
- Microsoft Office Specialist
- Sun Solaris System Administration.