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## PROFESSIONAL EXPERIENCE

### **CodeByte Consulting, Kalamazoo, MI**

**8/99 - Present**

Owner of consulting business. Contract services out to other companies doing various software engineering tasks; software installations, software development, software documentation, database, and web page development, and also computer system setup and configurations.

### **Cartek International, Kalamazoo, MI**

**4/03 - Present**

#### Director of Engineering / Senior Software Engineer

Responsible for all aspects of the software development cycle of the Wheel Alignment platforms, and some emission control projects; R&D, specifications, documentation, development, installation, testing and launching. Responsible for managing off site engineering groups. Product lines include new products and also legacy product. Position also required ability to rapidly change focus from project to project. Create internal software to support Inventory and Customer transactions, and also developed the complete Software Authorization process on line. Development environment; Visual Studio .Net, VB.NET, Visual Basic 3.0 - 6.0, Microsoft C, MS FrontPage, ASP/HTML/Java, and SQL Server. Support the Service and Manufacturing departments. Position also includes international traveling for development and training of the Wheel Alignment systems to Distributors and end users.

### **Engineering Manager, Project Leader, Software Engineer SPX Corporation, Service Solutions Kalamazoo, Michigan.**

**7/89 - 4/03**

#### **Merger of Bear Automotive [Milwaukee, WI] and Allen Test Products [Kalamazoo, MI] in 12/93)**

#### Software Engineering Manager (6/01 to 4/03)

Manage a 12-20 software engineering group. The group was divided among several projects. These projects included PC based applications and hand held scan tools for the automotive service industry. Responsibilities were for managing the teams, resource projects, schedules, interfacing with customers. Other responsibilities were for formal specification reviews and writing and reviewing Product Requirements documents and Software requirements documents. I gave performance reviews every 6 months; annual goal reviews with team members and handled the day-to-day activities/issues for the team. I was also responsible for hiring any software contractors when the need occurred, this involved documenting the requirements and needs, setting up the interviews, performing interviews and doing the hiring.

#### Software Engineering Manager, Handheld Scan Tool Development (8/00 – 6/01)

Manage a 5-person team of software engineers to design embedded software products for hand held scan tool vehicle diagnostic equipment. Responsible for writing product requirement documents, performing engineering quotes, including tasks and costs, defining and assigning tasks, and schedules. Brought in to help bring the multi-location engineering groups together to work on same projects. Other responsibilities include performance and goal reviews with team members, attending project meetings, and weekly team status meetings.

#### Software Engineer and Project Leader, Emissions I/M (8/97 to 8/00)

Primary responsibilities included leading complete software projects with multiple software teams of 3 to 5 persons (this included outside contract firms also), task scheduling, time and resource estimates, reviewing State mandated software specifications, completion of State specified emission programs by State specified dates. Also responsible for meeting with the State authorities on site to go through their rigorous certification approval process for software and hardware. Software developed in MS-DOS and Windows platforms using MSC and Visual Basic and Visual C++.

Software Projects lead from start to completion include the developments of:

- \* Rhode Island State Enhanced Inspection/Maintenance Program
- \* Massachusetts State Enhanced Inspection/Maintenance Program
- \* New Jersey State Enhanced Inspection/Maintenance Program
- \* New York State Enhanced Inspection/Maintenance Program

Project Leader, Wheel Service Group (5/95 to 8/97)

Primary responsibilities included leading the 4 person wheel service team to launch a Windows based computerized wheel alignment equipment to the field, for domestic and export, and maintain and update the current software. Other responsibilities include software updates for current and older product lines, task scheduling, performance reviews, and interviewing for open positions.

Software Engineer II (2/94 to 5/95)

A member of the Wheel service group. Responsibilities included designing, modifying, developing, implementing, maintaining software for an International Windows based, computerized wheel alignment system. Participated in the testing process through test review and analysis, test witnessing and certification of software. Also responsible for updating and maintaining the older DOS based alignment equipment.

Software Engineer II (7/91 to 2/94), Software Engineer I (8/89 to 7/91)

Develop, test, release and maintain software for a DOS based, computerized wheel alignment equipment, including custom software for various customers. Selected system components, maintain vehicle specification database and the international language translations for the wheel alignment products.

**Insight Industries Industries Inc., Platteville, WI.**

**2/88-7/89**

Software Engineer

Contracted to Rockwell International, Collins Division, Cedar Rapids, Iowa. A member of the Autopilot Flight Director System group positioned on the verification project for the Boeing 747-400 AFDS software. Responsible for designing, coding, and running module tests for an air transport flight control system.

**River Valley Cooperative, Watertown, WI.**

**Internship 1987**

Computer Programmer

Designed a software database package that manages inventory, incoming and outgoing products, daily transactions, and creates daily and monthly reports.

**University Computing Services, Platteville, Wisconsin.**

**8/86 to 12/87**

Computer Consultant

Advised students in computer lab, programming in a variety of computer languages and software packages, using DEC VAX/VMS systems, IBM systems and IBM-PC/XT/AT systems.

## **EDUCATION**

Bachelor of Science degree at University of Wisconsin-Platteville, Platteville, Wisconsin. Major in computer science with an emphasis in electronics. Graduation date December 1987.

## **TECHNICAL BACKGROUND**

VB.NET, Visual Basic 3 - 6, C++, C, Assembly, HTML, ASP, VBScript, Java Script  
MS Windows, MS-DOS, Lynx, UNIX, and VAX/VMS  
PVCS, Visual SourceSafe, ClearCase, ClearQuest  
Installshield, InstallIt, MS Office, Visio, MS Project, MS FrontPage

## **REFERENCES AVAILABLE UPON REQUEST**