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PROFESSIONAL EXPERIENCE

Codebyte Consulting – Safari Montage (Contract), Kalamazoo, MI

4 / 2011 - Present

Senior Software Engineer

Responsible for developing a Network DVR recording system and also developing an entire Channel Guide system. This was designed using PHP 5, HTML, Javascript, JQUERY, JSON and PSQL. Use of VLC and FFMPEG for video capture and conversion. The operating system was FreeBSD 8.x. Rally is used for tracking project and for QA defects.

Cartek International, Kalamazoo, MI

4 / 2003 – 4 / 2011

Director of Engineering / Senior Software Engineer

Responsible for all aspects of the software development life cycle of the Wheel Alignment platforms, and some Vehicle Emission projects; Research and Development of new technologies, specifications, documentation, development, installation, testing and product launch. Responsible for managing two off site engineering groups, one software and one hardware group. Product lines include new products and also legacy products with continued development. Creation of internal custom software to support inventory and customer transactions, and also developed the complete Software Authorization process on-line for customer authorizations. Position required support of Service and Manufacturing departments, international traveling for development and training of the Wheel Alignment systems to Distributors and end users.

Development environment: Visual Studio .Net, VB.NET, Visual Basic 3.0 - 6.0, Microsoft C, MS FrontPage, ASP/HTML/JavaScript, and SQL Server.

Wheel alignment software: Visual Studio 2010, VB.NET, SQL. PC based software communicating wireless to hardware via RS232 communications with 2.4GHz Zigbee radios. Database queries for customer and vehicle database.

Puerto Rico Emissions: Visual Basic 6.0, HTML, ASP, VBScript and SQL. Front end software to communicate to the proprietary government database to print vehicle inspection reports and vehicle registration stickers.

Internal Software Authorization software: HTML, ASP and VBScript. Ability to use my proprietary algorithm for authorizing software with a unique Software Serial Number. Used internally and for all customers and distributors.

Demo available: <http://www.codebyte.com/authorize/login.asp>

CodeByte Consulting, Kalamazoo, MI

8 / 1999 - 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.

Engineering Manager, Project Leader, Software Engineer

7 / 1989 - 4 / 2003

SPX Corporation, Service Solutions Kalamazoo, Michigan.

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

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

Managed a multi project software team of 20-25 engineers. Projects included PC based applications and hand-held scan tools for the automotive service industry. Responsible for resourceing projects, schedules, interfacing with customer's formalization of specification reviews and writing/ reviewing

product requirement documents and Software requirement documents. Additional responsibilities included performance evaluations of all team members every 6 months as well as annual company aligned goal reviews with each team member, hiring of full time and contract software engineers.

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

Managed 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. Key focus of position was to align multi-location engineering groups to work on same projects. Facilitation of 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, including outside contract firms, task scheduling, time and resource estimates, reviewing State mandated software specifications, completion of State specified emission programs by State specified dates. Met on-site with State authorities to cover 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. Integrated a VCR video surveillance system to take snapshots of vehicles during the emission process for program security and verification.

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

Primary responsibilities included leading a 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 III (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 Inc., Platteville, WI.

2 / 1988 - 7 / 1989

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 / 1986 to 12 / 1987

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.

TECHNICAL BACKGROUND

VB.NET, Visual Basic 3 - 6, C++, C, Assembly, HTML, ASP, CSS, 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