

Robert Smith

Senior Software Architect/Executive

CONTACT DETAILS

1737 Marshville Road,
Alabama
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SKILLS

Information Technology,
IT, UML, RUP, Java JDK
SDK.

LANGUAGES

English (Native)
French (Professional)
Spanish (Professional)

INTERESTS

Climbing
Snowboarding
Cooking
Reading

REFERENCES

Reference - 1 (Company Name)
Reference - 2 (Company Name)

PERSONAL STATEMENT

A seasoned system software architect and design engineer with a substantial background in all aspects of software development life cycle. Possessing strong technical knowledge, hands-on experience and leadership skills. An innovative problem solver, eager to learn new technologies with the ability to use own initiative and work independently or as a part of a team.

WORK EXPERIENCE

Senior Software Architect/Executive

ABC Corporation - December 2012 - February 2014

Responsibilities:

- Embedded real-time software development, including; design, extend and implementation of new or existing features.
- Worked on a vast range of applications including but not limited to mesh network wireless nodes, industrial motion controllers, handheld medical testing tools and light control devices, on native microcontroller hardware platform, Linux and Windows operating systems, using C, C++, C#, Node.js and Python programming languages and scripts.
- Designed and implemented an end-to-end industrial LED control module prototypes using ZigBee like mesh network and python and C# programming languages.
- Collaborated with the hardware engineering team to define, design and implement various products; e.g.
- Designed and implemented a micro OLED display driver, which has been used in medical equipment testing tools.
- Designed and implemented native Windows tools to graph and analyze the collected data from various embedded (handheld) devices through serial (USB or RS232) interfaces.
- Developed sequence diagrams and statechart diagrams to represent the marketing and sales business process for software build.

Senior Software Architect

Delta Corporation - 2007 - 2012

Responsibilities:

- Designed and implemented client, server and database modules for a location based mining industry safety operation management.
- Designed and implemented location estimation algorithms based on real-time collected information from wireless mobile and smart network nodes.
- Created a full in-house, vector based, interactive rendering engine using .NET environment (C#).
- Actively participated in design, code implementation, test preparation and execution activities.
- Provided required technical guidance to development team.
- Designed and implemented various modules software frameworks and prototypes (e.g.

- Wireless Gateway Server, Server Agents, Tracking and Monitoring Modules, Embedded Device Software Framework) using .NET (C#, .ASP, MS-SQL) and ThreadX (RTOS based on embedded Unix) development environments.

Education

Master of Software Systems in Software Systems - 2006(University of British Columbia - Vancouver, BC)