Contact

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Top Skills

Requirements Analysis

SQL

Object-oriented Languages

Languages

English

B.J. Smith

Associate Principal Software Engineer, Principal Investigator at
Logos Technologies LLC
Portland, Oregon, United States

Summary

Software Engineer with 20 years of experience.

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Experience

Logos Technologies, Inc.
Associate Principal Software Engineer, Principal Investigator
June 2011 - Present (11 years 11 months)
Raleigh-Durham, North Carolina and Portland, Oregon

Principal Investigator
As Principal Investigator, I drew from my experience with Wide Area Motion
Imagery (WAMI) to lead the integration effort between Kestrel Block II and
the Joint All-Hazards Common Control System. Attended client meetings,
designed and developed client (C#) and server (Java and C++) server
software, created and tagged releases to correspond to release cycles, and
integrated remotely in a Software Integration Lab.

Associate Principal Software Engineer
Developed software in C# on a Windows client, integrated with ESRI's ArcMap
Software Development Kit. Developed server C++ binaries to integrate with
custom built aerial surveillance systems (Kestrel, Simera, Redkite and Kestrel
Block II). Enhanced rendering capabilities with a focus on automation, and
debugged system.

Supported the testing and integration of the Light Expeditionary Airborne
Persistent Surveillance system. This involved being part of an Agile team
responsible for the first-line onsite debugging of an upgraded Shadow UAV
payload.

Georgia Tech Research Institute
Research Scientist
August 2003 - June 2011 (7 years 11 months)
Huntsville, Alabama, United States

Developed software test plans, descriptions and reports. Excelled at finding and writing clear and descriptive bug reports within multi-program enterprise-level software projects (FalconView) for the Aviation Mission Planning System (AMPS) and Joint Mission Planning System (JMPS). Developed software in .Net with XML, porting C++ to C#. Part of a small team that participated in the Army's pilot project using the Team Software Process (TSP) through Carnegie-Mellon's Software Engineering Institute (SEI). Interviewed pilots of CH-47F Block 3, CH-53E, UH-60M CAAS, and AH-64D aircraft to better understand how software augmented their current paper-based radio planning. Developed software in a common framework for each of these aircraft that we modified per release to address particular differences, while allowing task force pilots the ability to plan missions for aircraft that they have never flown, reducing the mission commander's work load. Ultimately responsible for leading the redevelopment of the Army's Communications Planner for the Aviation Mission Planning System. This software project was written in C# using Windows Presentation Foundation (WPF) to work within the X-Plan environment. Lead meetings to demonstrate the flexibility and ease of use of our software to our customers.

SAIC
Junior Software Engineer Intern
May 2003 - August 2003 (4 months)

Responsibilities included writing a web-based interface for a Trouble Ticket System for users to fill out their own trouble tickets for PC problems. Replaced the arcane system of answering the telephone with a software-based system that paged the appropriate persons. Also was responsible for troubleshooting PC problems.

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Education

University of Alabama in Huntsville
PhD, Computer Science · (2006 - 2011)

University of Alabama in Huntsville
MS, Software Engineering · (2003 - 2006)

University of Alabama in Huntsville
BS, Computer Science · (1999 - 2003)