John Creed
Software Engineer

creedjoh@gmail.com
http://creed.consulting
(517) 303-6661

P.O. Box 421
Nashville, MI 49073

Software engineer with 25+ years of software development and project management experience. Skilled in all phases of the software development lifecycle. An expert in translating business requirements into technical solutions while always keeping a focus on quality, usability, security, and scalability.

Technical Skills and Abilities

HTML, CSS, JavaScript, XML, ColdFusion 4.5-2021, jQuery, Bootstrap, .NET, ASP, PHP, C/C++, Java, Microsoft SQL Server, Oracle, MySQL, Photoshop, AWS, OAuth, SAML, SNOMED, SCORM, Modbus.

Documenting processes, workflows, procedures and research. Exceptional communication and interpersonal skills with the ability to negotiate effectively with both internal and external stakeholders at all levels.

Clients

Clients include Department of Defense, General Motors, eBay, Adams Outdoor Advertising, American Academy of Pediatrics, Michigan State University, and Big Ten Network.

Professional Experience

Proprietor, Creed Consulting, Nashville, MI
January, 2010 – Present
Management of projects and code involving various companies and locations. Work on project specifications consisting of many web and database technologies.

Example project includes collaboration on a system developed for and deployed by the Department of Defense (DoD) and the Department of Veterans Affairs (VA) for studies on Post-Traumatic Stress Disorder (PTSD) and Traumatic Brain Injury (TBI). This software is used for scheduling patient and study participant visits. The information gathered from these visits is used across various research projects within the DoD and VA. The web based system integrates with a data gathering software package running on laptops and tablets.

Partner / Director of IT, Digital Active, East Lansing, MI
October, 2007 – Present
Work closely with the client to gather requirements of project. Create project estimation and specification documentation. Work with graphic designers to develop the user interface for various devices. Client, team, and code management throughout the duration of the project. Setup of development server and software environment. Development of the software and database. Moving system to live production environment and continued support and enhancement of the software application.

Development of the company's software product ActiveOffice. This is a web based collaboration suite of tools to manage files, projects, sales cycle, calendar, support tickets, messaging, and discussions which includes ActiveCMS – a content management system.

Example project includes assisting Morley and Retail Consulting Group (RCG) to create a web based system to manage the vehicle buyback program for Nissan. Drastically reduced the amount of time Morley spent on scheduling buyback meetings. The system transmits data received from Nissan via XML in order to allow scheduling of meetings. Utilized in all 50 states and resulted in a 10 fold employee increase for RCG with the addition of over 100 new field

representatives who actively use the system. Worked for RCG to create additional secure systems used by Audi, Bentley, and Volkswagen.

Lead Software Engineer, MedRed, Chicago, IL
July, 2005 – October, 2007
Development of a web based Personal Medical Record (PMR) that synchronizes with a .NET application running on a U3 USB thumb drive. Allows patients and their doctors to manage the data on both the U3 application and website synchronizes between the two. The system allows for emergency personnel to access medical data, while the patient controls who accesses the information, and how much information can be accessed.

Creation of an intranet application for doctors working on development of an expert diagnostic system for the Department of Defense. Oversaw development of a medical expert diagnostic system running on a PDA written in C#, which also utilizes an Emergency Medical Record (EMR). PDA application interfaces with a web service and website for distributing patient and diagnostic information to remote emergency first responders. Implemented a GPS mapping feature to track personnel in the field and graphically display their location to central command via a website. System is based on the Battlefield Medical Information System-Tactical (BMIS-T).

SNOMED CT and HL7 experience. Oversaw and tested additional software development by overseas team to ensure specs and timelines were met.

Director of IT, The Center for International Rehabilitation, Chicago, IL
July, 2005 – October, 2007
Development of a website and desktop application software for the iCons in Medicine program. This is a tele-consultation program that allows doctors in remote and underserved areas to connect with specialists around the world. Consists of a small desktop application that utilizes store-and-forward methodology to account for areas where internet connection is slow and unreliable. Allows specialists to consult on cases via a web interface and to exchange images, notes, and documents with the requesting doctor. Technologies utilized include ColdFusion, Microsoft SQL server, HTML Application (HTA), XML, web services, and DICOM.

Development of the company website and the IDEAnet community of practice website. The IDEAnet site consists of a rehabilitation community and the disability rights community. Developed a series of collaboration tools to allow members to form project groups to collaborate online. These include discussion forums, document repository, listserv, and private messaging. The document repository had the ability to create SCORM compliant packages of any object or group of objects.

Creation of a system based on PDFs and store-and-forward methodology to collect report data from researchers in many European countries. It allowed the researchers to complete the 400+ question report and send the information to a central server for reporting purposes. This same technology was also utilized in gathering research data in Nicaragua, in both English and Spanish languages to significantly reduce the amount of time needed to enter and report on the collected data.

Additional responsibilities included system and user documentation of the systems, authorizing hardware and software purchasing, and managing additional IT and design employees.

Software Engineer, Control Room Technologies, Lansing, MI
January, 1999 – July, 2005
Lead engineer of a development team, creating database driven intranet and Internet applications which included creating and enforcing coding standards for the company. Oversaw testing of new projects, worked on the creation of business designs and user manuals, and estimated time and tasks for all development projects.

Creation of a monitoring and configuration software system for managing die presses in metal fabrication plants at General Motors. Conducted three day training session for General Motors plant managers on developed software as well as the development of the user manual and training material. Software integrated existing Modbus monitoring hardware with Oracle DB using ColdFusion, VB.NET Window services, and Java Applets.

Work on a system that integrates with eBay and Amazon. System posts, monitors, and finalizes auctions. Integrates with an inventory management portion and performs online checkout.

Creation of a vehicle tracking system for Cassen's Trucking. System allows for the visual tracking of vehicles and dealers based on GPS data that is imported into the system.

Creation of an audio upload tool for the Sporting News Radio that allows producers to record audio in the studio then automatically upload it to a server.

Education

Michigan State University, East Lansing, MI
Bachelors of Science, Computer Science and Engineering (GPA 3.4/4.0).
Graduation: December, 1999

Bachelors of Science, Psychology (GPA 3.5/4.0).
Graduation: Spring, 2004