

Joe Wilson

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Information technology professional and full-stack web application developer with twenty years of startup and enterprise experience.

Professional Experience

Director of IT & Development, Verus Investments | October 2013 - Current

- Directed technology strategy and cyber security initiatives as a software engineering leader, managing a significant budget while overseeing staffing needs, demonstrating strong engineering management skills.
- Designed risk analytics applications and client dashboards using Ruby, Python, JavaScript, and SQL, implementing SEO best practices for improved website management and client engagement.
- Championed data warehousing efforts to streamline operational processes by integrating disparate datasets into unified dashboards; achieved significant reductions in reporting time from 5 hours to 30 minutes.
- Developed and maintained SOPs for website updates, security response, and maintenance, ensuring consistent processes and efficient workflow.
- Implemented Google Analytics and Google Tag Manager to track website performance, providing data-driven insights for improved conversion optimization and website management.
- Established clear protocols around application security and cyber security policies following NIST's Cyber Security Framework best practices.

Senior Web Developer, REI | October 2011 - September 2013

- Developed solutions using JSP/JSTL that streamlined site template development, improving web analytics and conversion optimization; reduced website load times by over 3 seconds on average during peak traffic periods while ensuring consistent user experiences.
- Cultivated talent among junior developers through targeted mentorship sessions focusing on AEM techniques, resulting in accelerated onboarding time by three weeks and strengthened overall productivity across development tasks.
- Drove the adoption of Adobe Experience Manager (AEM) as the primary content management system, enhancing site performance metrics and improving internal end-user content management practices.
- Implemented devops practices and cloud infrastructure solutions, improving deployment speed by 16% and reducing downtime by 8%.

Senior Web Developer, Ascentium Corporation | September 2010 - September 2011

- Architected and launched responsive websites for high-profile clients such as Microsoft, T-Mobile, and Mastercard, ensuring cross browser compatibility and WCAG standards; revitalized mobile usability leading to a 14% increase in user engagement.
- Created interactive websites leveraging cutting-edge technologies while ensuring compliance with the latest coding standards; identified critical UI issues resulting in findings that resolved two significant performance bottlenecks affecting mobile users.
- Built standards-compliant web interfaces from inception to delivery for Georgetown Brewing's online platform, focusing on UX best practices, using agile methodologies; increased overall site traffic by 25% within the first month post-launch due to effective design enhancements.
- Captained frontend initiatives aligning closely with industry-standard frameworks focusing on seamless integration processes yielding measurable results—including maintaining browser compatibility across five unique devices while adhering strictly to accessibility principles.

Technology Director, Magnuson Hotels | September 2009 - August 2010

- Orchestrated creation of a UK-centric sales portal supporting international customer acquisition processes, contributing to an increase in new accounts generated within three months post-launch without additional resources required.
- Revamped functionality of existing booking solutions resulting in accelerated processing speed by over four seconds per transaction.
- Led team collaboration sessions focused on identifying key pain points leading to inefficiencies in previous frameworks which resulted in actionable findings that addressed top issues affecting system performance overall.

Senior Integration Developer, Neokinetics Corporation | November 2006 - May 2009

- Led the implementation of a metrics-driven behavioral analysis security system for high-security locations, including partnerships with major corporations like eBay, resulting in 100% uptime availability during integration phases and ensuring

compliance with all relevant regulations; managed multiple web projects simultaneously.

- Deployed an advanced user-name and password based behavior-metric monitoring service for a classified pilot program run by Raytheon, leading to further engagement and long-term contracts.

Director of Information Technology, Tahoma Capital | September 2005 - September 2006

- Engineered the deployment of critical IT systems (Windows Server, Active Directory, Cisco networking, MySQL) for a \$246 million hedge fund, conducting thorough requirements analysis and risk assessment to optimize operations.
- Directed all aspects of information technology infrastructure for a new hedge fund venture valued at \$246 million; prioritized reliability by implementing protocols that minimized downtime incidents by over 20%.
- Drove enhancements resulting in effective management protocols over all IT infrastructure components utilized by the company's finance team; optimized network configurations impacting daily operations promptly assessed during troubleshooting sessions.

Developer, Agent Science Technologies | June 2004 - September 2005

- Developed comprehensive documentation and training materials on newly created applications; directly contributed to reducing onboarding time from two weeks to just three days for new users within client organizations.
- Engineered innovative content management systems, enhancing information retrieval efficiency by over 30% through a search application tailored to agency needs.
- Designed and launched a robust online search engine specifically for managing proprietary biometric AI resources within government sectors, improving search speed metrics from initial tests to under three seconds per query.

Web Developer & Manager, Amazon.com | June 2000 - June 2004

- Directed seven junior developers within the books, music, video, DVD, and magazines product teams; established performance benchmarks that led to an increase in project delivery speed by 30% over six months.
- Championed improvements to buying systems alongside onsite support features; modernized workflows achieved a reduction in average transaction time by 15%, leading to strengthened overall customer satisfaction ratings.
- Managed the migration of over 75% of Amazon.com's front-end code base from a proprietary in-house system to an open-source (Perl Mason) framework, enhancing overall performance and maintainability for future development efforts.

Skills

- **Technical Skills:** Ruby, Python, Javascript, HTML5, CSS3, SQL, Java/J2EE, REST, SOAP/XML, JSON, HTTP
- **Web Development Frameworks:** Ruby on Rails, Sinatra, JSP/JSTL, Adobe Experience Manager (AEM), WordPress
- **Web Analytics Tools:** Google Analytics, Google Tag Manager, Microsoft Clarity
- **Security Protocols:** NIST Risk Management Framework (RMF), NIST Cyber Security Framework (CSF)
- **Project Management Practices:** Agile, Scrum, Jira, Kanban, Git
- **Cloud Providers:** Azure, AWS, Heroku, Fly.io

Certifications

- [Google Cybersecurity Professional Certificate](#)
- [Google Data Analytics Professional Certificate](#)

Education

North Idaho College, Coeur d'Alene, ID
Computer Information Technology (no degree)

University of Idaho, Moscow, ID
History (no degree)