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|  | Ryszard Kilarski |  |
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| **Summary** | Senior software engineering professional with extensive (15+ years) experience in software development and complex software systems. Skilled with database systems and programming, metadata-based tools and design, and end-user software development. An efficient and skilled software engineer, fast learner, and good communicator with a proven success record in technical problem solving and implementation, and with a user-base of hundreds of clients and thousands of end-users. |
| **Areas of Expertise** | |  |  |  | | --- | --- | --- | | Healthcare billing/scheduling software systems | Database Systems |  | | Metadata-based Software (Rules and Tasking engines) | Software Tools for Developers |  | |
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| **Education** | Master of Science, *Computer Science*, Boston University: 2015 (*In Progress).*  Master of Science, *Computer Information Systems*, Boston University: May 1999.  Bachelor of Arts, *Computer Science*, Boston University: May 1996.  Bachelor of Arts, *Mathematics*, Boston University: May 1996. |
| **Professional Experience** | ***Software Architect****, 2011-Present,* ***Senior/Principal Software Engineer****, 1999-2011.*  **IDX Systems Corporation/GE Healthcare, General Electric Company (as of 1/2006)**, Development, Boston, MA   * Developed metadata-based rule engine, and part of core team to develop metadata-based tasking system. * Developed new modules, enhanced existing modules, and fixed bugs in all applications (Managed Care, Billing & Accounts Receivables, Scheduling, Tasking, and tools software) and platforms (legacy terminal applications and web-based applications). * Developed complex rule-based and metadata-based tools for all applications (rules engines, filter and customization toolkits, screen layout tools). * Developed specifications, designs, test plans, and documentation (functional and technical) in a team environment with engineers, architects, and QA. * In charge of main development work for the dbms, screen generator, and selector generator applications. * Developed 508/Accessibility support for the software. * Provided training and mentoring for “next generation” tools and languages to other developers. * Worked with development partners on next generation software, alpha and beta testing, and rollout. * Interfaced with upgrade, installation, and support teams as necessary. * Ported legacy Visual Basic 3 source control system to VB6 and Visual Basic.NET used by all developers. * Presented new software and tools in National User’s Conference to end-user clients. * Familiar with Six Sigma, Lean Sigma, and Agile development processes.   ***Software Engineer/Senior Software Engineer,*** *1997- 1999.* **IDX Systems Corporation**, Client Services, Boston, MA   * Worked as a software engineer in the customer support department. * Handled debugging of released software (written in M(UMPS) and Microsoft Visual Basic) for clients. * Wrote custom routines and customized software to meet client specs. * Traveled to client sites for hands-on engineering and consultation.   ***Systems Administrator,*** *1996- 1997.* **Boston University**, Office of Student Employment, Boston, MA.   * Functioned as a data trustee, a mainframe departmental systems administrator, a network systems administrator, and supervised two computer programmer assistants. * Developed and managed ad hoc and batch programming jobs. * Implemented Windows solutions in Visual Basic for Applications (Microsoft Excel) and WordBasic (Microsoft Word). * Oversaw the completion and implementation of a new mainframe system for the student job service, a Macintosh application, and Web pages for the department. |
| **Relevant Course Work** | **Business Coursework:** Administrative Accounting, Decision-Making in Organizations, Operations Management, Organizational Behavior, Project Management.  **Software Coursework:** Algorithms, Client-Server Architecture, Communications and Computer Networks, Complexity and Computability Theory, Computer Architecture, Computer Languages (C, C++, Lisp), Data Structures, Database Systems, Discrete Mathematics, Information Systems Analysis and Design, Local Area Networks, Logic, Mathematics Foundations/Set Theory, Object-Oriented Programming, Operating Systems, Software Engineering, User Interface Design and Methodology. |
| **Patents** | Ferguson, et al. “Data object access system and method using dedicated task object.” Patent 7,818,291. 19 October 2010. |
| **Technical Skills** | **Operating Systems:** Windows (NT/XP/Vista/7), AIX/UNIX/LINUX, Solaris, MacOS X, VMS.  **Programming Languages:** C, C++, C#, HTML, InterSystems Cache and ObjectScript, Java, JavaScript, M(UMPS), Natural 2, Microsoft Visual Basic. |
| **Languages** | Fluent in Polish and Spanish. |