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Jim Ries

What You Get

I am an experienced software architect, software engineer, and technical generalist who delights in both technical leadership and the leadership of people. I have a broad and deep education in computer science. I particularly enjoy designing applications that require high degrees of concurrency and scalable performance.

Experience

Jan. 2013 – Present   Veterans United Home Loans   Columbia, MO

Principal Technical Architect

- Responsible for overall software architecture, recommended tooling, and best practices for team of over 50 software developers.
- Led team of technical architects (team size varied from 5 to 10) and served on department leadership team.
- Wrote code primarily in C#.

Sept. 2010 – Jan. 2013 Tiger Institute Living Lab   Columbia, MO

Software Architect / Senior Team Lead

- Developed commercial healthcare software as part of an innovative collaboration between Cerner and University of Missouri Healthcare.
- Wrote code primarily in C#.
- Designed architecture for all Living Lab projects, wrote code, and mentored other software developers.
- Managed software development team of 7 programmers.

Aug. 2000 – Present   Enginet Technologies, LLC   Columbia, MO

Principal Software Architect

- Involved in all aspects of custom software development, custom web solutions, and web hosting business including sales, financial management, software development, and project management.
- Developed custom web applications for a variety of clients, primarily in ASP and .NET programming environments.
- Developed custom database applications using SQL Server.
- Wrote code primarily in C# and C++.
- Managed project timelines, budgets, and teams of contract software developers.

July 2001 – Aug. 2003   [University of Missouri](#)   Columbia, MO

Graduate Research Assistant (part-time)

- Developed various software applications for [Monsanto Swine Genome Project](#).
- Wrote code primarily in C and C++ with HTML user interfaces (via CGI). Utilized Faircom CTree DBMS engine.
- Introduced and implemented version control and software management system to project.
- Provided leadership and mentoring to junior software development staff.
- Received full tuition support plus stipend.

Jan. 2005 – May 2005,
Jan. 2004 – May 2004,
Feb. 2002 – Dec. 2002
Aug. 2007 – Dec. 2007
Aug. 2016 – May 2018   [University of Missouri](#)   Columbia, MO

Adjunct Instructor (part-time)

- Taught senior/graduate level operating systems course.
- Taught junior/senior level UNIX operating system course.
- Taught graduate level data repositories and systems integration course.
- Taught junior/senior level Web software development course.
- Developed and delivered all lectures, exams, and assignments.
- Supervised graders and teaching assistants.

Jan. 2000 – Dec. 2001   Blue River Technologies, LLC   Kansas City, MO

Contract Software Developer (part-time)

- Developed custom Internet dialer for [Qwest](#).
- Developed DCE RPC solution providing local calling number information for Qwest.
- Involved in many aspects of projects, including bidding, negotiation with client, and software development.

Sep. 1998 – July 2001   [University of Missouri](#)   Columbia, MO

National Library of Medicine Predoctoral Fellow

- Developed various research projects associated with the fields of Health Informatics and Bioinformatics.
- Received full tuition support plus stipend.

Sep. 1998 – Oct. 2001   [Siemens PLM](#) (formerly EAI)   Columbia, MO

Contract Software Developer / Software Engineer (part-time and full-time)

- Developed cross-platform distributed transaction system.
- Developed "grid" COM component for automatic positioning of elements in a complex dependency tree.
- Developed various modules for EAI's "VisView" product line.

April 1998 – Sep. 1998   Automated Business Solutions   Columbia, MO

Project Manager

- Designed and coded solutions for application management software, including server side components for Lotus Notes and Microsoft Exchange.
- Led team of 4 developers.
- Tracked project progress to insure timely delivery, feature completeness, and high quality.
- Primarily wrote code in C, C++, and Visual Basic.

Dec. 1991 – April 1998   Quarterdeck (formerly Datastorm) Columbia, MO

Senior Software Developer

- Held progressively more advanced titles, from Programmer II, Programmer/Analyst, Programmer/Analyst II, to Senior Software Developer.
- Architected OLE/COM project, which focused on distributing functionality through DCOM.
- Managed team of 5 developers during the 1-year long Procomm Plus 95 project, including personnel review responsibility.
- Led code reuse effort for Datastorm products.
- Designed and implemented a threading architecture, which allowed the timely porting of a 16-bit Windows product to the 32-bit Windows platforms.
- Wrote OLE/COM based extension library for an unreleased product.
- Wrote grammar parsers for several tools, including several editors and a conversion utility.
- Primarily wrote code in C, C++, and 80x86 assembly language for DOS and Windows platforms.

April 1991 - Dec. 1991   University Hospitals and Clinics   Columbia, MO

Programmer/Analyst II

- Wrote custom applications for various hospital departments.
- Provided end-user support for PC users.
- Provided network administration for Ellis Fischel Cancer Hospital.
- Primarily wrote code in C and an SQL-like relational database language.

May 1988 – April 1991   Capital Bank (now Regions)   Columbia, MO

Manager of Data Processing

- Wrote custom banking software for in-house use on PC's, AS/400 mini, and System/36 mini.
- Managed a small data processing staff, including review responsibility.
- Primarily wrote code in C, Pascal, and RPG III.

Jan. 1987 - May 1988   Capital Bank (now Regions)   Columbia, MO

Computer Operator (part-time)

- Responsible for processing nightly batch jobs on IBM System/36.
- Held position part-time, while full-time undergraduate student.

Education

1998 – 2013   University of Missouri   Columbia, MO
- Coursework and research toward Ph.D. in computer science. All work except dissertation completed (pursued as part-time student).

1991-1998   University of Missouri   Columbia, MO
- M.S. in computer science (completed as part-time student).

1984-1988   University of Missouri   Columbia, MO
- B.S. in computer science.