Paul Raab

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O b j e c t i v e

I am seeking a senior software developer position. My experience and proven expertise in helping to develop quality software systems on time and to the customer's specifications can have an immediate impact on your company's bottom line.

S u m m a r y   o f   Q u a l i f i c a t i o n s

- Software Development: Strong experience using computer technology to solve data management, processing, analysis, and visualization problems. Proficient in requirements gathering, functional design, coding, and testing applications and user interfaces for large systems. Practical understanding and effective implementation of software engineering methodologies. I am a big fan of agile methodologies, the scrum framework, and other quality techniques to improve software. Excellent technical writing and editing abilities. Good leadership and team building skills.

- Web Development: Proficient in developing dynamic web pages using front-end, middle tier, and back-end software technologies.

- Scientific and Visualization: Skilled in developing and implementing scientific data processing, statistical analysis, and numerical interpretation algorithms. Strong background in developing graphic systems for displaying and manipulating analytical data.

- Database: Experienced with designing and developing database applications. Proficient in complex systems data modeling. Experienced with database administration and performance tuning.

- Systems Administration: Experienced in administering Linux, Windows, and UNIX networked systems.

- Customer Interaction: Excellent oral and written communication skills. Extensive experience working with customers in areas of requirements gathering, design validation, training, and post-installation support.

- Primary Technology Stack: Java, C/C++, HTML/CSS, JavaScript, JQuery, AJAX, Node.js, Spring Framework, FORTRAN, Scripting languages. SQL/NoSQL databases, PL/SQL, JDBC. Eclipse, NetBeans, Visual Studio Code. Unix/Linux, Windows, Solaris.

W o r k   E x p e r i e n c e

Raab Enterprises LLC. May 2017 – Present
Littleton, Colorado
Software Consultant. Providing custom software solutions for new and legacy systems. Designing and developing web based commercial GIS and other applications.

CGG   February 2013 – May 2017

Denver, Colorado

Senior Software Engineer. Primarily worked on a project to upgrade GravMag Solutions large, commercial, legacy software system into a next generation integrated system based on Java, C/C++, QT, and XML. Member of a software team working to maintain and enhance existing data processing, analysis, and visualization systems for the Energy industry. Systems administrator for Denver office.

Fugro, Inc. April 2001 – February 2013

Denver, Colorado

Senior Software Engineer. Designed, developed, tested, and documented scientific software used to process and interpret geophysical data for Oil & Gas exploration. Assisted with marketing and sales efforts for LCT software. Managed and assisted in software customer support. Systems administrator for Denver office. Website administrator for LCT Gravity & Magnetics division.

Oracle Corporation (Novistar) August 1999 – April 2001

Denver, Colorado

Senior Systems Application Developer. Member of a team responsible for the development and enhancement of the Oracle Energy Production Management product. Maintained and enhanced the primary server application for the group, a C/C++ based network allocation engine. Designed and developed Java/XML based server and interface components for a real-time data acquisition and database storage/retrieval system. Worked as a consultant to customers on special projects.

Schlumberger/GeoQuest Data Management   June 1996 – August 1999

Houston, Texas

Senior Software Engineer. Developed an Oracle based Oil & Gas production data model extension to GeoQuest's Finder DBMS. Developed data model software interface and business layer. Directed consultants in the development of applications utilizing the new data model extension. Provided training and documentation on technical aspects of the production data model.

E d u c a t i o n

University of Wisconsin – Milwaukee
BA – Geology

SUNY at Stony Brook
MS – Earth and Space Sciences

M e m b e r s h i p s

ACM
BSA – Eagle Scout, Scoutmaster, Silver Beaver

R e f e r e n c e s

Available on request