

# DAVE BECKER

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## CHIEF TECHNOLOGY OFFICER – SOFTWARE TEAM LEADER

Dynamic professional with advanced computer science degree and extensive and diverse, progressive experience, with outstanding results in managing teams designing, implementing, and integrating novel technology solutions in a wide range of problem domains, from e-commerce to medical systems. Strong leadership ability, with key strengths in recruiting, coaching, motivating, and mentoring multi-disciplinary technical teams. Architecting solutions, and empowering staff throughout the product development lifecycle, based on building consensus, ensuring accountability, and fostering teamwork in demanding, fast-paced, rapidly changing environments.

## TECHNICAL PROFICIENCIES

- Full stack development from HTML, XML, CSS, and Javascript to expert-level skills in C++, UNIX / Linux, ksh / csh / sh, Perl); MS Windows development experience using C++ and Visual Studio.
- Oracle, Ingres, mySQL, SQL Server; SQL, Embedded SQL (PL / SQL). OLTP DB Design, Data Warehousing, RDBMS Administration, tuning, and query optimization.
- Proficient in designing and evaluating user interfaces and human / computer interactions; RESTful, web-based applications, X-windows, GUI's of many generations.
- Agile methodologies, Scrum, software project management.

## PROFESSIONAL EXPERIENCE

SELF-EMPLOYED, Lafayette, CO, **Stock Option Trader** 2017 – Present  
Day- and swing-trading stocks and options for personal account.

MEDTRONIC NAVIGATION, Louisville, CO, **Project Manager, Sr. Project Eng.** 2005 – 2017  
Led teams developing surgical navigation systems for locating and visualizing surgeon's instruments during surgery. Evaluated physician requirements and constraints, designed complete (software and hardware) solutions.

- Technical liaison to cardiologists for human clinical studies of systems.
- Designed, performed, evaluated, and reported on other research studies.
- Participated in procedure design for GUI design and software workflow development.
- Managed software development projects including planning, scheduling, resource management, reporting, and team building and development.
- Spearheaded efforts to shift software development from waterfall to agile development methodologies in general and Scrum practices in particular.
- Recognized by managers, colleagues, and clients as a versatile, talented, business-savvy leader who readily tackled complex challenges and exceeded expectations in diverse, challenging roles.

NET IMPACT SERVICES, Boulder, CO, **Technology Consultant** 2003 – 2005  
Founded consulting practice to significantly enhance e-commerce success of small to mid-sized companies, provide expertise in search engine optimization, Internet marketing, E-commerce solutions, and Web ROI calculation tools, in addition to general small-business IT solutions.

VIRTUMUNDO, INC., Kansas City, MO, **CTO and Director of Software Development** 1998 – 2002  
Lead the technology team building Internet lottery applications like TreeLoot.com, a multi-million-dollar MediaMatrix Top-50 Internet site, from the ground up.

- Built the company's flagship product, treeloot.com, an internet lottery-type application server using

C++, Javascript, PHP, and Oracle.

- Responsible for all technology aspects of the company including product development and maintenance, Internet server infrastructure, all internal IT functions, and customer support.
- Recruited, developed, mentored, motivated, and managed remote, geographically disparate teams of 15+, including developers, designers, graphic artists, UNIX administrators, and customer support staff.
- Planned, scheduled, managed and completed multiple projects during a period of rapid corporate growth, from start-up to mid-sized company.

### **ADDITIONAL EXPERIENCE**

IMAGIC CONSULTING, Prague, Czechia, **Internet Consultant**

HEWLETT-PACKARD, Denver, CO, **Software Engineer, Contract**

MIS, Denver, CO, **Senior Software Tools Engineer**

SOLBOURNE COMPUTER, INC., Longmont, CO, **Senior Software Engineer**

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY, Socorro, NM, **Programmer / Analyst**

### **PATENTS AND CERTIFICATIONS**

United States Patent 7,835,557: "System and Method for Detecting Status of Imaging Device"

Scrum Alliance Certified ScrumMaster, Rally Software, 2012

### **EDUCATION**

Master of Science, Computer Science (MSCS), New Mexico Institute of Mining and Technology

Bachelor of Science, Computer Science (BSCS), New Mexico Institute of Mining and Technology