

Roger Gregory

CTO/Senior Architect/Troubleshooter/Technical Lead
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QUALIFICATIONS SUMMARY

- Cutting edge information technology generalist for the last 40 years. Particularly adept at selecting appropriate architecture, hardware and software tools to meet a project's needs. Offer high-level assessment of systems, tools, project goals and means. Experienced multiple market cycles.
- Not wed to incremental change. Well-versed in the software design and development process; however, keenly aware of when to stop designing and to ship.
- Tracked and evaluated major web-based information management and user interface alternatives for use in development projects. Avid user of open source software – know how to find the right tools for a project.
- Driving force behind Project Xanadu. Led design and implementation effort for Xanadu vision of hypertext: fine grained, bi-directional links, quotable editable documents with version tracking and royalties. Now serving as open source coordinator for Udanax hypertext systems.
- Available for consulting projects to evaluate proposed technologies, review and develop prototypes, concepts, and to recommend appropriate architecture and development approach for the project. Willing to be convinced to join the right project as an employee.

EXPERIENCE

2009 – 2013 Founder, Eyegorithm

- Implemented and designed software to segment images into foreground and background, without presupposing anything about the image.
- Implemented in MatLab and Python, the software was connected to a web server and made available on the net.
- System algorithms generated 24 hypothetical segmentations based on an assortment of human perceptual mechanisms and using AI-ish mechanisms to pick good results.

1996-current Halfwaytoanywhere.com

- Invented, patented and developed a rotary rocket engine, high performance liquid fueled engine.
- Developed simulation models for rocket venture using adaptive simulated annealer.

2002 NetContinuum, Santa Clara, California

- Developed programming tools for Java Programming for web security gateways.

2000 to 2001, QuantumFind Inc., San Francisco, CA

- As Knowledge Scientist, joined two founding partners in project to develop non-realistic 3-D user interface for varying data sets.

- Invented and proto-typed "zero-click" navigation technology.
- Directed and reviewed programming staff in implementing proto-type of e-commerce application.
- Researched development options in VRML, Java, Swing, etc.
- Project debuted at COMDEX 2000 as a Intel Pentium 4 development partner.
- Corporation suffered from dot.com collapse and poor market position.

1999 - 2000 Ask Jeeves, Emeryville, California

- Assessed proprietary natural language search mechanism to recommend enhancements.
- Evaluated DBMS XML interface with IE 5.0 for consideration for use.

1999 Linuxcare, San Francisco, California

- Integrated Jitterbug, bug tracking system, to website in short time period.
- Member of technical team that launched company in early 1999.

1979 to Present XOC, Inc. (formerly Xanadu Operating Company), (formerly Palo Alto, California)

- Positions Held: Founder, CEO, CTO, etc.
- Gathered and led a team of up to 6 programmers and designers from 1977 to 1988 (without funding) and when funded in 1988, hired them all (so they finally got paid).
- Responsible for architecture, design, coding, specification of tools, languages, and equipment, hiring, funding, market strategy, product positioning, and, at one time or another almost everything else.
- Coded most of the 1979-1988 design and was responsible for 60,000 lines of Smalltalk translated into 300,000+ lines of C++, including all the detailed compilation problems of the translated code.
- Designed and coded 4 different front-ends (browsers) for various Xanadu backends (Sun, NeXT, Mac Smalltalk/C++). Balanced goals of achieving interface user design specifications while conforming to backend protocol requirements.
- Debugged C++ garbage collector (incremental copying typed) & much, much more.
- Project Chronology: From 1979 - 1988, this was sweat equity effort supported by limited angel financing, consulting and full-time work. From 1988 - 1992, XOC, Inc. was a subsidiary of Autodesk Corporation. Release of XOC code as an open source project in 1999 – collaborated with various developers evaluating code-base as requested.
- Since 1992, Roger Gregory has served on the Board of XOC, Inc. and has continued technical work on the project funded in part by a licensee and angel funding. Related development efforts are underway in Japan, Australia, and Finland. - www.udanax.com.

1998 WebMD (Direct Medical Knowledge), San Francisco, California

- Developed tools to integrate content from disparate sources into knowledge base.

1998 AgBid, Provo, Utah.

- Evaluated Internet auction software options for start-up project. Integrated auction backend with website.

1998 SearchCafe Inc. San Francisco, California

- Assessed development status of existing 3-tier architecture search engine interface implemented in JAVA.

1998 Tier Technologies, Walnut Creek, California

- Determined utility of recently acquired Smalltalk application by review of code and documentation. Concluded that implementation was incomplete and fragmented.

1994 Boston, Massachusetts

- Port of Raid GUI from Solaris to OSF1 Motif for DEC.

1985-1988 Cirrus Logic, Programmer

- Maintained and upgraded in-house Storage Logic Arrays VLSI CAD tools.
- Direct support of team designing first Cirrus vga chip.
- Development of applications of 200,000+ lines of C code on various UNIX machines including SUN, DEC, and Celerity.

SPECIAL SKILLS

- Linux, Python, OS/X, Jscript, C++, Smalltalk, C, HTML Generation, OOP, PERL; UNIX,
- Hardware: Linux, OS/X, SUN, PC, SGI, Next, MAC, DEC, UNIX, MULTICS
- Seeing solutions decades before others see the problems they solve.
- Cross platform porting of software.
- Finding solutions that satisfy incompatible requirements.
- First principles based invention, starting from relevant problem.

OTHER

- First individual to purchase Sun 1 (1982).
- Trashed in Wired Magazine (1995)
- Never fallen for any computer fad.
- Current hobby: Revolutionary rocketry design. Awarded U.S. Patent in 2001.
- Owned, programmed, and administered a home UNIX machine since 1980.
- Founder of computer club at University of Michigan in 1974

EDUCATION

- 24 Year Practicum in Hypertext Software Start-Up
- University of Michigan, Honors Math, Left in Senior Year, seduced by computer side of the force.
- Ph.D. equivalent experience in advanced hypertext systems.