CALVIN GLOMB

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I spent 40 years as a software engineer. I retired due to medical reasons, currently fit for duty. Three years after I retired, my wife passed and left a hole in my life, causing me to look at my life. I am going back to school to become an architect and Planner.

EXPERIENCE

NOVEMBER 2017 TO PRESENT - TRONSOFT, BELLEVUE, NEBRASKA.

I retired because I had prostate cancer. Also, my wife was getting old, and somebody needed to be home to take care of her. So I quit and took care of my wife. I got rid of my cancer. And play video games most of the time. I decided that maybe I should do something with my life and went back to school to learn creative writing. I took a couple of courses and then started writing. I have a blog where you can read my essays and have several stories published on a private website. I read an article on what to do with your retirement. What job do you want to take on? And it suggests that your retirement is your chance for a second career. It would be helpful if you chose something you like so you can spend your time on it. You could do what you're passionate about, and I am passionate about architecture. I love how buildings work through the way spaces get used. I have decided to pursue my master's in Architecture at UNL. I need to get a job to pay for those classes.

SEPTEMBER 1976 TO PRESENT - TRON SOFTWARE LIMITED, BELLEVUE, NEBRASKA, SOFTWARE Consultant / Software Engineer / Owner.

Tron Software Limited (tronsoft) is a non-profit research company that is used to fund research into current and future technologies. Primary research is into person-to-person interactive games that require thought, such as chess, checkers, and war games. Computers can be good opponents, but lack social skills. Tronsoft researches adding a social element to computer games by providing a medium for both gameplay and social interaction.
Performed research on all aspects of client-server applications.
Agile programming, Extreme Programming, and new technologies will drive the future of information transfer.
Performed research and education into the new technologies of ASP.NET, ADO.NET, XML, IIS, and the many aspects of the emerging world of e-commerce.
- Taught "Programming Visual Basic.NET" for Nebraska College of Business. (40-hour class)
- Taught "Java Programming" at Nebraska College of Business. (40 hours)
- Taught "C++ Programming" at Nebraska College of Business. (80 hours)

- Taught "Visual Basic Programming" at Nebraska College of Business. (40 hours)
- Taught "HTML" at Nebraska College of Business. (40 hours)
- Taught "Introduction to UNIX" at Bellevue University. (40 hours)
- Taught "Introduction to personal computers" at Salem Baptist Church. (24 hours)
- Taught "Programming Visual Basic 6.0" at Vatterott College. (80 hours)
- Analyzed and designed a Client-Server application for A.I. Software for Electronic Display signs (16 hours)
- Helped establish an eBay-based business (05/1999) (40 hours)

SEPTEMBER 2016 TO OCTOBER 2017 - CRETE CARRIER CORPORATION, LINCOLN, NEBRASKA, SENIOR SOFTWARE ENGINEER.

- Participate in all aspects of the Software Development lifecycle, lead the design of specific software components, products, applications, and features based on industry and technological trends, and consult with process owners in reviewing, interpreting, and developing systems in accordance with user requirements.
- Play a critical role in supporting the application lifecycle based on detailed requirements and guidance from senior engineers
- Collaborate with technical/business leaders and product owners to acquire and understand requirements/acceptance criteria
- Develop, maintain, test, analyze performance, troubleshoot, and repair applications and applicable code
- Support mission-critical applications and assist in the resolution of customer issues
- Design backend database schemas
- Produce deliverables with clean, well-documented, and easily maintainable code that adheres to defined coding standards
- Write unit/UI tests to identify defects and leverage CI/CD for building and deploying code
- Triage production issues and work with multiple teams to perform problem analysis
- Assign and review tasks from junior and offshore software engineers
- Influence the discovery and decision-making process when changes to standards and technology are required
- Provide support to the Company by responding to user questions, concerns, and issues

JANUARY 2015 TO JUNE 2016 - OFFUTT AIR FORCE BASE, BELLEVUE, NEBRASKA, SENIOR SOFTWARE ENGINEER.

- Created a change request form for a terabyte database containing over 3000 tables.

SEPTEMBER 2014 TO NOVEMBER 2014 - WOODMAN OF THE WORLD, OMAHA, NEBRASKA, SENIOR SOFTWARE ENGINEER.

- Created and updated software for typical day-to-day business

JULY 2013 TO AUGUST 2014 - NCR, OMAHA, NEBRASKA, SENIOR SOFTWARE ENGINEER.

- Provided configuration control for menu delivery for nursing homes and long-term care

NOVEMBER 2012 TO JUNE 2013 - CLIENT RESOURCES INC., OMAHA, NEBRASKA, SENIOR SOFTWARE ENGINEER.

- Contract for hire to WAUSAU Financial Systems, to support Receivables Hub 360.
- Develop, update, and maintain a client-server application for storing documents and check images for several banks, including Boston, New York Mellon, First National Bank of Omaha, and several others
- Converted several hundred embedded SQL statements to stored procedures, along with creating the Data Access Layer functions to support them.
- Update several web pages using XML, XSL, and asp.net
- Create and develop an Image Purge Service used to purge folders storing the Document and check images. It is a Windows service tied to a SQL Server database and uses web pages to set retention days.

AUGUST 2007 TO OCTOBER 2012 - RADIO ENGINEERING INDUSTRIES, INC., OMAHA, NEBRASKA, SOFTWARE ENGINEER.

- Hired to create and maintain software published by the REI.
- Fixed and improved an outsourced project called BUS-WATCH, which was a DVR player for a mobile surveillance system.
- Created a generic surveillance network to allow the user to view either live (Live View) or record the cameras on any transportation system (Play Back), such as school buses, motor coaches, subways, and trains.
- Created a service to listen to and process data from the vehicles (Listener Server)
- Created a service to process the data and back up the video (Console Server)
- Provided a service for permanent storage of all the video and be able to access that video at anytime from anyplace (Maintenance Server)
- Created a service to provide reports for the status of the backups and operation of the devices, Reports Server
- Developed an application (Record Time Estimator) to estimate the length of time a storage device would have, given the size of the storage, the framerate, quality, and type of camera used with the device.
- Developed several applications (MapInfo, MP1000, Mobile Navigator, and REI Time Tracker) to track licenses for reselling third-party software

FEBRUARY 2005 TO AUGUST 2007 - INFOUSA, INC., OMAHA, NEBRASKA, SOFTWARE ENGINEER.

Designed a photo maintenance application (photos of businesses), comprising over 13 million businesses and 3 million photos. The images are collected by InfoUSA collectors using a portable system as they walk door-to-door, gathering the desired information on businesses in their target area. Photos are transferred very quickly to

the home office via Internet connections. The images are graded and then added to the photo database, where they are matched to businesses. These photos are then accessed via a web service.

- Business Photos USA � photo repository and web service to get the correct photo from the database.

A Time Tracker application was created to track time by project. It was derived from an ASP.NET starter kit, and then was modified for local use. A Wikipedia site was modified to serve as a content portal for InfoUSA, called infopedia.

Provided mentoring for MS development software applications, such as Visual Basic, C #, SQL Server, ASP.net, and Java software, using my Eclipse. Developed hundreds of web pages and sites for prototypes.

- SFI - internal Maintenance Web site
- TimeTracker - Time tracking website by project, with a time sheet
- infopedia - content portal for internal use for sales and information
- Data Web Service - provides internal access to the photo maintenance system

JUNE 2004 TO FEBRUARY 2005 - TMS DESIGN SERVICES, INC., OMAHA, NEBRASKA, SOFTWARE ENGINEER.

Contracted out to Valmont Industries to convert mainframe IDEAL Routing Applications to an object-oriented Visual Basic Application utilizing the Unified Modeling Language with Visual UML, Oracle Database, and Visual Studio .NET 2003. August 2002 to May 2004 - West Corporation, Omaha, Nebraska, Technical Support Representative.

Performed helpdesk functions for Earthlink.Net dial-up technical support for broadband, DSL, Cable, Satellite, home networking, and dial-up internet service provider.

JUNE 1997 TO JULY 2001 - TANTACOMM SYSTEMS, OMAHA, NEBRASKA, SOFTWARE ENGINEER.

- Designed, developed, managed, programmed, tested, and maintained a user interface called DartRC, used to control the recording and playback of a client-server voice recording system,
- DartAV used to playback recorded calls and associated video,
- DartSched, used to schedule voice recordings and use DartAV to playback the recorded calls,
- DartAM, used to archive and retrieve the audio files.

The User Interfaces were programmed in Visual Basic 5.0 and 6.0, used Visual C++ for the client transaction, connected via TCP/IP using Winsock, FTP, and IP*works, as well as writing several ActiveX controls used by other companies, utilizing a Linux server to record and store the audio files. Developed an Intranet application for in-house defect tracking, utilizing Interdev, ASP, IIS, ADO, HTML, XML, and SQL Server 2000.

DartAV - used to playback the audio and video of a Customer Service Representative call

DartSched - used to schedule calls for Customer Service Representative

December 1996 to June 1997 - ALR Systems & Software, Inc., Omaha, Nebraska, Contractor / Consultant. Contracted out to Utell.

- Assigned as a Test Manager to perform User Acceptance Test (UAT) for a client-server Hotel reservation program, called Central Reservation System (CRS).
- Developed an MS Access 97 Database Application for Defect tracking and to manage the test cases.
- Managed the development of Test cases to perform manual testing of the CRS system.
- Developed a Project Definition Plan, Master Test Plan, and Daily Test Plan for UAT.
- Managed the timeline for the project using MS Project.

MAY 1995 TO NOVEMBER 1996 - CABLE SERVICES GROUP (CSG) SYSTEMS, OMAHA, NEBRASKA, SENIOR SOFTWARE DEVELOPER ANALYST.

- Worked as a project engineer, providing design and guidance for a client-server development team, consisting of a database programmer, server programmer, client programmer, and business analyst. The team provided procedures for processing data from the client, to the server, and to the database. The system was designed using object-oriented analysis with Rational Rose.
- Provided a testing system to test the combination of server and database code, utilizing test case scripts. Worked as part of a team to generate the functions required to transport data to and from the client. Added functionality to create the print functions of the test program, as well as the pack and unpack functions using definition files. Maintained the definition files, which are an object-oriented representation of the system. There are 220 definition files.
- Designed the transaction processor server layer, using the definition files to determine where the structures should be routed to the database tables.

OCTOBER 1985 TO JANUARY 1995 - TRW SYSTEMS (NOW NORTHROP GRUMMAN MISSION SYSTEMS), OMAHA, NEBRASKA, MEMBER OF TECHNICAL STAFF (MTS) / MTS II / MTS III / ENGINEER SCIENTIST IV.

- Worked in a CETS (Contractor Engineering Technical Services) contract for TRW as a consultant to the U.S. Air Force. This work was done for the 513th Test Squadron. It involved providing support for TRW's software testing and verification packages for Electronic Warfare Equipment aboard SAC (Strategic Air Command) bombers. Developed programs to collect, scan, analyze, and reduce data from these Avionics packages. Was responsible for training, troubleshooting, and modification of these programs.
- Programs supported were as follows:
  - TESTEX (Test Execution) is used to input data to the EWOTS for processing.
  - SGS (Signal Generation System) used to provide RF signals to the Avionics through the use of the EWOTS.
  - LIBMGR (Library Manager) used to maintain the library of threat signals for the EWOTS.
  - DRAS (Data Reduction and Analysis System) is used to reduce and analyze data collected from the Avionics under test.

- DCTR (Data Collection and Reduction) is used to collect and eliminate duplicate data from the Avionics under test.
  - GEWIS (Ground Electronic Warfare Identification System) used to search for information for the threat signals from the
  - EWIR (Electronic Warfare Identification Requirements).
  - And all other programs used by the ETF (Electronic Test Facility).
- Programs developed were as follows:
  - PREG (Programmable Radar Emitter Generator) is an MS-DOS version of the EWOTS used to investigate how the Avionics work.
  - DAAP (Defense Avionics Assessment Program) is a database used to generate quarterly reports.
  - ADAS (Airborne Data Analysis System) and SETS are used to collect, scan, search, analyze, and print data from Airborne Data Collection Recorders.
  - PRINTBANNER is a general-purpose routine for printing classified data.
  - AUTODIN EDITOR used to edit the reprogramming tapes for the Avionics, and a variety of utility procedures used in these programs.
- Developed a computer-guided data input client program utilizing ADA.

SEPTEMBER 1984 TO OCTOBER 1985 - NELSON DATA RESOURCES, NOW AMERICAN HEALTHNET, OMAHA, NEBRASKA, PROGRAMMER / ANALYST.

- Developed and modified programs for a Patient Admission & Billing Package, which small hospitals use to do accounting. This package tied in with the General Accounting packages produced by Nelson Data Resources. This package included the patient's admission, the collection of all charges incurred, and the electronic transmission of bills to insurance companies. It was linked to an Accounts Receivable package specifically for the Medical Industry.
- Other projects included modifying existing Accounting programs to improve their performance and to satisfy customer requests.

MAY 1980 TO JUNE 1984 - GENERAL DYNAMICS, POMONA, CALIFORNIA, DESIGN ENGINEER / RESEARCH ENGINEER SENIOR.

- Developed and modified U.S. Army Combat simulation models used by General Dynamics at various levels, including the company and battalion levels.
- Developed and programmed the following projects:
  - GEMII (Gamp Effectiveness Model revision II), which was used to check the effectiveness of smart bombs.
  - SIMCA (Simulation of Combat Attrition) simulates the Soviet breakout in Germany of the near future.
  - CATS (Combined Arms Tactical Simulation) was written to examine the close assault tactics of the use of light anti-tank weapons.
  - PDW (Point Defense Weapon simulation) was used to evaluate point defense weapon systems associated with modern naval ships.

- CSW (Conventional Standoff Weapon simulation) was used to study the effects of a new type of bomb dispenser.
- Assumed responsibility for writing FIPs (Fault Isolation Procedures) and designing the hardware to be used with them. These FIPs were used on two automated test sets that used the HP 1000 to test Standard Missiles. The tests included continuity and resistance measurements, as well as testing active circuits.

NOVEMBER 1979 TO MAY 1980 - COLUMBIA RESEARCH CORPORATION, PANAMA CITY, FLORIDA, ELECTRONIC ENGINEER.

Responsibilities included designing a computer interface for an automatic crane to offload 75-ton containers from a cargo ship to a lighter vessel at sea. The system used a ROLM computer to control the crane's hydraulics. The project included the design and analysis of a control system utilizing acceleration, velocity, and position feedback to monitor load status.

SEPTEMBER 1978 TO OCTOBER 1979 - KELTEC FLORIDA INC., SHALIMAR, FLORIDA, ASSOCIATE ENGINEER

Responsible for the design and manufacture of a semiautomatic test set used to test a high-voltage distribution power supply for the Raytheon SLQ 32 system for the U.S. Navy. Other projects included a CRT power supply for video projection and independent research into the design of pulse-width-modulated power supplies. Performed fundamental analysis of the design for automatic tests, sets for testing many types of power supplies.

MARCH 1977 TO AUGUST 1978 - ORMOND INC., SANTA FE SPRINGS, CALIFORNIA, DESIGN ENGINEER.

Involved in the design, packaging, construction, testing, and evaluation of digital weighing systems utilizing the Intel 8049 microprocessor, and was responsible for the development and improvement of a 32-bit Analog to Digital converter using an Intel 8048 for control. Specific projects included a market scale, used for pricing meat, and a general-purpose weigh meter used on all types of digital scales.

EDUCATION

University of Nebraska, Lincoln, Nebraska, Master of Architecture (MARCH), May 2028

University of Nebraska, Lincoln, Nebraska, Master of Community and Regional Planning (MCRPL), May 2028

Bellevue University, Omaha, Nebraska, Master of Science, Computer Information Systems, December 2005

University of Nebraska, Omaha, Nebraska, B.S. Computer Science, December 1989

California Polytechnic State University, San Luis Obispo, California, B.S. Engineering Technology - Electronics Option, September 1976

Miracoasta College, Oceanside, California, Associate of Science, Math-Science, May 1973

Military Service, Aberedeen Proving Grounds, Aberedeen MD, October 1976 – April 1977

SKILLS

Acrobat Writer,
ADO, RDO, ADO.NET, OCX,
Agile, Scrum, Xtreme,
Angular,
Advanced Architectural Design
Architectural Core Studio I, II
Architectural History and Theory I, II
ASP, ASP.NET,
BIM for Design,
Browsers: Internet Explorer, Chrome, Firefox,
Building Organization
Cobol,
Computer Applications in Design,
Design Making, Design Research,
Environmental Technical, System
Flash,
HTML, HTML5, XML, XSL,
Jira, Confluence, Jenkins
IIS, IIS Express,
Java, Java SDK, Java2EE,
Introduction to Planning,
Javascript,
Jira, Confluence, Jenkins,
Legal Aspect of Planning
Material and Assemblies,
Mercury Testing tools, LoadRunner, Winrunner,
MS Access, MS Office, MS Project, MS Word
MS SQL Server database
MS Visual Studio.NET,
MS Windows, MS Windows server,
MS Visual Studio Team Foundation Server,
MS Visio, MS Visio for Architects,
Object Oriented Analysis (OOA), Object Oriented Design (OOD), Object Oriented Programming (OOP),
Oracle Database,
Parametric Modeling
Pascal, Fortran, GW-Basic, QuickBASIC, ADA, Janus ADA, Icon,

Planning with GIS,
Planning Method and Analysis,
Planning Theory,
Qualitative Techniques,
Site Context Issues,
Software Testing,
Structural Fundamentals, Structural Mechanics,
Urbanism
Visual Basic, Visual C # .NET (C#), Visual C++ with MFC (Microsoft Foundation Classes),
Visual Studio .NET
Web Services,
WPF (Windows Presentation Foundation), Entity Frameworks, WCF (Windows
Communication Foundation), Silverlight, .Net Framework, Rational Suite