John Sauter

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Summary

I am an experienced computer programmer who understands the discipline necessary to build products that work, on time and within budget. I have worked in many roles in academia and industry, including team leader, product development, implementation, quality assurance and customer support.   As a Principal Software Engineer I developed products for Digital Equipment Corporation, a world-class computer manufacturer. In September 2022 I will receive a certificate in full-stack coding from the University of New Hampshire. That training will provide me with experience in JavaScript and its add-on modules for front-end and back-end development. I am looking for a permanent, full-time position that will let me exercise and develop my computer programming skills.

Technical Skills

JavaScript, HTML, bootstrap, foundation, CSS, jQuery, jQueryUI, Python 3, GNU/Linux, C, BASIC, FORTRAN, assembly language for the DEC PDP-11, PDP-6/10 and PDP-1.

Projects

- Project 1 from the UNH coding Bootcamp: find chargers for electric vehicles that are not being rained on.

- I developed software to protect my telephone from robocalls. In order to call my number you have to be a live person. If you pass the test the software rings my home and mobile phones.

Education

- Certificate in Full Stack Programming from the University of New Hampshire, September, 2022.

- A+ certificate, expired December 31, 2017

- Bachelor of Science in Statistics, Stanford University, 1967

Work Experience

Assistant Administrator for UPS   April 2019 to March 2020, May 2021 to February 2022

I worked in the Pratt & Whitney building in Londonderry, NH. As an assistant administrator in the control tower. I oversaw the hour-to-hour operation of the building, making sure parts flowed smoothly through the system and handling special requests from customers.

Leave of Absence   March 2020 to May 2021

Since my job did not permit me to work from home, I took a leave of absence from UPS during the COVID-19 pandemic until a vaccine became available.

IT Technician for UPS   March 2017 to April 2019

I worked in the Chelmsford, MA, hub helping users with computer problems and installing and maintaining computers, printers and other equipment. Not all UPS buildings have technicians in residence, so I sometimes got calls from other buildings and so I would either travel or fix problems remotely.

IT Technician for UPS   June 2015 to March 2017

I worked in the Pratt & Whitney building in Londonderry, NH. My job was to help users with computer problems and to install and maintain computers and printers.

IT Technician for Kforce and Mōdis   May 2009 to July 2013, October 2014 to June 2015

Working through the Kforce and Mōdis temporary agencies, I replaced servers in Home Depot stores; installed Hewlett-Packard printers in U.S. Postal Service facilities, Bank of America branch offices and Liberty Mutual offices; replaced Microsoft Windows XP on Liberty Mutual computers; surveyed, installed and removed computers at Liberty Mutual offices and installed and upgraded computers for Genesis Healthcare and Lahey Clinic.

IT Consultant for Kforce at Dartmouth-Hitchcock   July 2013 to April 2014

Working through the Kforce temporary agency, I worked with a team to replace Microsoft Windows XP with Microsoft Windows 7 on 3,000 personal computers at Dartmouth-Hitchcock Medical Center in Lebanon, NH.

Security Officer for Allied-Barton Security Services

May 2012 to July 2013

I provided physical security service for Merrimack Premium Outlets.

IT Consultant for Kforce at Corning

January 2012

Working through the Kforce temporary agency, I worked with Hewlett-Packard and Corning to develop and pilot a procedure for converting all personal computers at Corning to Microsoft Windows 7.

Computer Operator at BAE Systems

December 2008 to March 2009

I became proficient with the Tidal job scheduling software and with Symantec Veritas Netbackup. I also used the Rackwise Data Center Manager.

Customer Support Specialist for GlobalCerts

May 2006 to May 2008

I provided remote help desk support for the SecureMail Gateway internet appliance.

Computer Systems Operator for Town of Hudson, NH

November 1995 to February 2006

I supported computer users in Town Hall and the various Fire Stations, including hardware, software and networking.

Owner and Operator of System Eyes Computer Store

July 1992 to December, 1997

System Eyes Computer Store was a computer retailer specializing in the Commodore Amiga and the Newtek Video Toaster.

Software Engineer for Digital Equipment Corporation

October 1975 to July 1992

I developed and supported products for Digital Equipment Corporation, notably the DN60 communications processor, the VMS run-time library, the run-time library for VAX BASIC, the EDT text editor and the FMS and DECforms forms products.

Member of the Technical Staff, Scientific Programmer for Sanders Associates

November 1968 to October 1975

I was responsible for the DEC PDP-10, for which I provided hardware and software support. At various times I had a Secret or Top Secret clearance.

System Programmer for the Stanford　　　　**June 1967 to November 1968**
　　Artificial Intelligence project

I was responsible for the Monitor program on the PDP-6 and TOPS-10 on the PDP-10.

Programmer for the Stanford　　　　　　　**May 1964 to June 1967**
　　Artificial Intelligence project

I did development work for the Stanford Time-Sharing System, which ran on a DEC PDP-1, and I was also involved with the IBM 7090 and Burroughs B5000/B5500.

Volunteer Experience

Free Software　　　　　　　　　　　　　**early 1970s to present**

- In the early 1970s I was the Standards Chairman of DECUS, the users society of Digital Equipment Corporation, in which role I accepted software for the DECUS library. This software was available in source form to anyone for the cost of media.

- In 1986 I created a parameterization of Don Knuth's Computer Modern fonts, allowing fractional point sizes. That software is still distributed today through CTAN.

- In 2004 I implemented the OCR-A font and distributed it through SourceForge.

- In 2010 I added audio surveillance features to the Advanced Linux Sound Architecture (ALSA).

- Today, I am working on a Free theatre software package known as ShowControl, available from github. My home workstation and my laptop both run GNU/Linux. I frequently contribute to Wikipedia.

Community Theatre　　　　　　　　　　　**April 1989 to March 2020**

It is always exciting to help produce a Broadway-class musical. I have met a lot of interesting people and seen some wonderful performances. My responsibility has been to provide sound effects and sound reinforcement. I always ask the producers for help, and usually have an opportunity to train at least one student in the theatre sound skills.

I have worked with several community theatres in New Hampshire including the Amherst PTA play, the Amato Theater, Nashua Theatre Guild and Nashua Actorsingers.

My goal for sound reinforcement is that every member of the audience should hear clearly every line of dialogue and song. For sound effects my goal is that they should improve the presentation of the play but not draw attention from the story as it is being told.

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