

JABARI WALKER

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Objective

Advanced software engineer with a multitude of skills, seeking a lead/mid-level development position utilizing my expertise in software development and computer science.

Education

M.S.in Computer Science, December 2023
University of Illinois, Champaign, IL.
Ranked #3 in the country via U.S. News and World Report.
Overall grade point average: 3.43

B.S. In Computer Engineering, June 2010
University of Washington, Seattle, WA.
Overall grade point average: 3.31

Relevant Courses: Data Structures, Circuit Theory, Databases, Embedded Systems, Advanced Digital Design, Networking, Advanced Operating Systems, Software Engineering and Algorithms, Computer Architecture, Model Testing

Programming Languages: C/C++, C#, VB.NET, ASP.NET, LabVIEW, Java, PHP, ActionScript, Python, Smalltalk, SQL, XML and Verilog

Work History

Software Engineer, Fastek International, June 2015 – June 2021 - Assisted in the development of avionics projects contracted from Rockwell Collins. Due to my credential as a Certified LabVIEW Developer, my work was contracted out at \$150/hr. I worked under one lead software developer who was tasked with dividing the project between the two of us. At the end, the lead developer would combine our efforts. All development was done at the customers facility.

In between contracts I would develop in-house versions of the purchase order application (Java) and quote tracking application (.Net), that I developed previously at Methode. The meat and potatoes of my development was certainly LabVIEW, but I also used other technologies during our scheduled downtime. Rather than simply a software developer, I market myself as a computer scientist, in that my skills are not tied to just one technology. Similar to a patron who exit's her house to perform a task, she first survey's the turf (rain/snow/sun), and then equips accordingly. I use the same methodology when developing software, if necessary I pull out the umbrella or shovel, and then I get the job done.

Software Engineer, Methode Electronics Inc, June 2010 – June 2015
LabVIEW – Developed extensible durability, parameter and acceptance testing applications utilizing various National Instrument devices/APIs (Analog/Digital IO PXI

cards, PCI-DNET board, NI-DAQmx, NI-DNET, NI-CAN). Supported EOLT's (End of Line Testers) by optimizing expensive routines, in an effort to increase productivity and lower overall cost.

.NET – Developed a multi-tier web application for quote tracking using ASP.NET, supporting 14 members of management in 4 facilities.

Java – Created a purchase tracking enterprise application using J2SE. This application automated previous processes by parsing purchase files and storing relevant data in a database for retrieval/report generation.

Adobe Creative Suite – Developed corporate website using Flash/Dreamweaver.

Served on the SQL-Server Application Committee as a systems power administrator.

Computer Science workshop leader, University of Washington, January 2007 – June 2010 Assisted sophomores/juniors in introductory level programming courses (C/C++/Java) with assignments, exam preparation, etc.



Software Test Engineering Intern, Intel Corporation, June 2008 – September 2008 Designed Python scripts, which cycled through test workstations detecting crashes/hangs. Used C/C++ to develop an EFI (Extensible Firmware Interface) device path parser for Intel's 64-bit architecture (Itanium processor), and implemented a data structure to enforce the uniqueness of each device path. All projects went through rigorous validation and documentation.

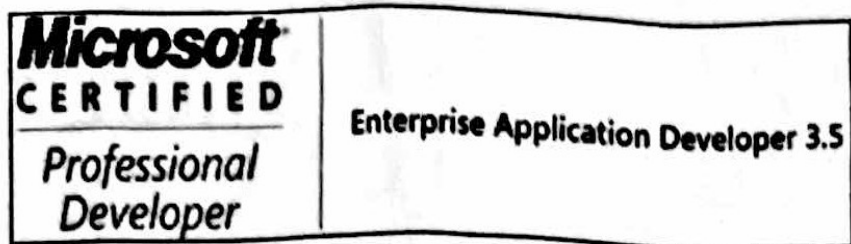


Engineering Intern, Ford Motor Company, June 2007 – August 2007
As part of the first Ford ALVA interns I gained valuable experience in using Microsoft Excel and Microsoft Word. Worked with engineers and administrators in designing spreadsheets for management. Used "Flowcharter" to create a document, which was used to assist sales team in delivering product. Worked with 6 other interns in team building, problem solving, and calculus.

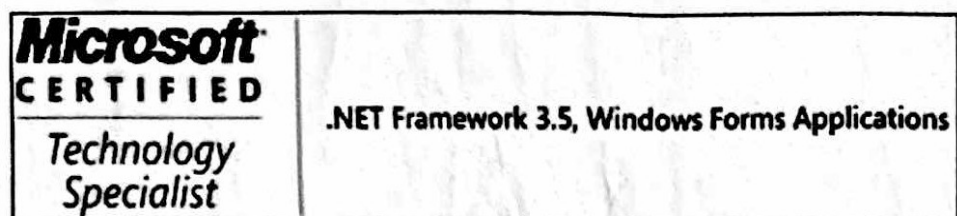
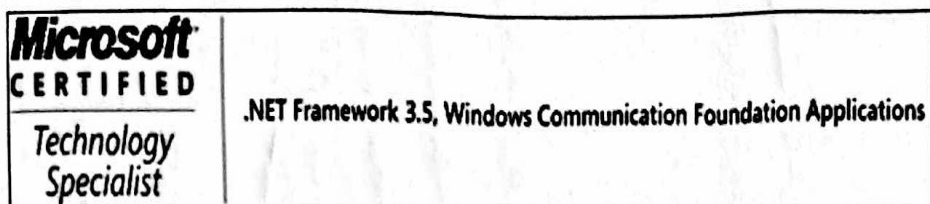
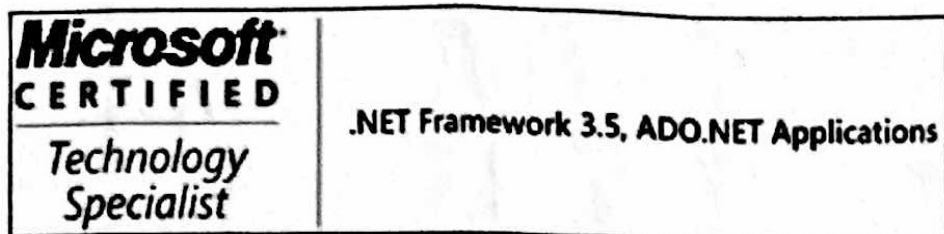
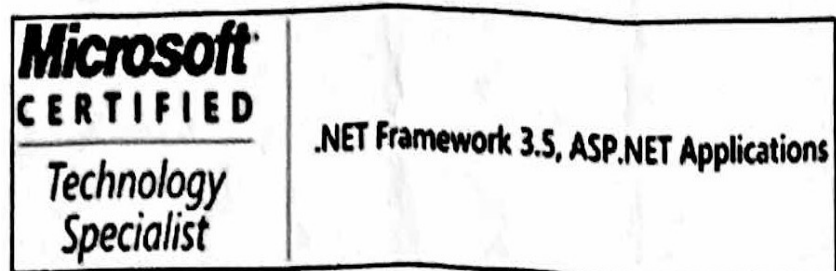
National Instruments Certifications

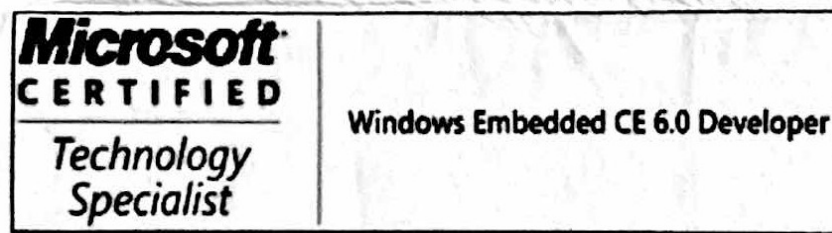


Microsoft Professional Development Certifications



Microsoft Technical Specialist Certifications





Sun Microsystems Certifications



Publications

Marinov, X. Li, D. Shannon, J. Walker, and S. Kurshid, "Characterizing the Uses of a Software Modeling Tool", in *Sixth Workshop on Language Descriptions, Tools, and Applications*, Vienna, Austria, April 1, 2021.

Professional Affiliations

Member of the prestigious Eta Kappa Nu National Honors Society
NSBE (National Society of Black Engineers)

Activities and Awards

Intel Corporation Minority Engineering Scholarship recipient

NSF (National Science Foundation) Computer Science, Engineering and Mathematics Scholarship (CSEMS) recipient for success in engineering

U/W Office of Minority Affairs – Award for Outstanding Achievement

U/W Minority Science and Engineering Program – ALVA Participant