



Certified
Professional

JAVA™ TECHNOLOGY

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OBJECTIVE

Be in a position to utilize my computer knowledge and skills to automate, help collect, understand and discover data and information.

Help my organization to utilize computer capabilities in heavy lifting for the lengthy and complicated task for better and effective output and focus on the task on hand.

EDUCATION

Information Technology, Master of Science

August 2002

University of Illinois, Chicago, IL, USA
GPA 4.5/5.0

Studies focused in application development, Database optimization, multimedia design, technical planning, and business case analyses, computer algorithms, Object Oriented programming, Information Retrieval. Created working prototypes for numerous web site projects and desktop applications.

Civil Engineering, Bachelor of Science

July 1987

University of Khartoum, Khartoum, Sudan
(honor degree)

Studies focused in structure analysis, concrete, steel design, and soil analysis, strength of material, environmental engineering, computer programming and algorithms.

CERTIFICATION

- J2EE Developer, DePaul University, Chicago, USA March 2006
- Lightweight Java Web Development, DePaul University, Chicago, USA March 2008
- .NET Developer, DePaul University, Chicago, USA November 2009
- CBS Blaise 4 Training program, Netherlands, September 2011.
- CBS Blaise 5 CATI Application development, Netherlands, May 2016.
- CBS Blaise 5 layout, Netherlands May 2016.
- CNS Blaise 5 layout, Netherlands November 2019.
- Sun Microsystems Certified Programmer for java, August 2003
- SPSS certified Market research developer (five certificates).
- .NET Developer Program (DePaul University Chicago 2009)
- Lightweight Java Web development Program (DePaul University, Chicago 2008)
- J2EE Developer Program (DePaul University Chicago 2006)

Computer Skills

- Microsoft .NET Development
- CBS Blaise for Electronic Survey development.
- HTML, CSS

- SPSS data manipulation scripting.
- STATA Data manipulation scripting.
- Python Scripting.
- Pandas Data science.
- PowerShell Scripting.
- SQL Database (Modeling and Data visualization)
- Microsoft Power Apps development.
- teamCity Build management and continuous integration server.

EXPERIENCE

Senior Survey Programming Specialist

September 2010 - Present

Qatar University

Develop all kind of Electronic surveys using different platforms such as Qualtrics, CBS Blaise, these surveys are deployed to the WEB, mobile devices, or run as thick clients in desktops/laptops.

Data cleaning and ETL process.

Working with many systems and utilities such as JIRA (Bitbucket, confluence, Tempo, Bamboo,)

Continuous Integration with TeamCity

SQL server Integration service (SSIS)

SPSS scripting.

STATA Scripting.

Python Scripting

PowerShell Scripting

Software Engineer, norc.org

October 2003 – September 2010

National Opinion Research Center (NORC) , Chicago, IL. USA

Create, update, and maintain site pages for Market Researches interviews, using CSS, HTML, JavaScript, and XML/XSL. Coordinate with producers and designers for major site changes.

Maintain internal tools for managing site structure using VBScript and Java. Work with third-party providers to integrate external applications. Assist with design efforts for site pages, content archival, photo galleries. Provide technical support for usability issues and critical site problems, as needed. Provide International IT training and support.

User Interface Web Designer

1999 – 2003

PathFinder Development, Chicago, IL

Lead designer and developer for web sites and promotional media for small businesses. Utilized contemporary design to create concise web sites for specific client needs. Site creation included use of CSS, HTML, JavaScript, MySQL, form processing. Created and assembled web graphics, including logos and advertisements. Designed email blasts and newsletters for site launches and event announcements.

IT Technical Support

University of Illinois, Chicago, IL

1996 – 1999

Provide Technical support for students and staff, troubleshoot Network and user accounts issues, and maintain computer labs machines and supplies.

Software consultant

Tech Solutions Inc (TSI) Orlando, FL

1993 – 1995

Gather client requirements, write technical document, write application use cases, maintain and debug application code, optimize solutions and data access.

Civil Engineer

Sea Ports Corporations, Port Sudan, Sudan

1987 - 1992

Developed inspection and maintenance plane for the harbor facilities.

Site Engineer for water harvesting project.

PROJECTS

- Developed an enterprise web application in J2EE technology using session beans, Hibernate, struts Framework and Microsoft SQL server. This application integrates and communicates with SPSS market research web survey and exchange data.
- Developed data collection system to help the World Bank in their social studies for the Republic of Yemen project.
- Develop a prototype multimedia web survey for illiterate audience where they can interact with the application using audio and visual interfaces.
- Designed and Delivered High-level training and technical support for to the Supreme Education Council (SEC), Doha Qatar in August 2006 and March 2009.
- Team lead for the effort carried to enhance and streamline the maintenance for Port Sudan harbor facilities; in this project, we developed codebooks and outlined procedures to carryout recurring inspection and maintenance for the harbor facilities.

LANGUAGES SKILLS

- Arabic, mother tongue
- English, fluent

ACTIVITIES & AWARDS

- Member BCLUB, Blaise Corporate License User Board
- Member, Sudanese Engineers Association, Qatar
- Member, Sudanese Association in North America
- Member, National Association for Black Engineer 2004
- Employee Recognition award December 2007.