Curriculum Vitae of Semir Ibrahim

PERSONAL INFORMATION

Nationality:	Italian (EU National)
Driver:	Full Clean UK Driving License (own a car)
Languages:	Arabic and English (Fluent)
Years of Experience:	**10**+ years
Reason for Changing Job:	End of Contract
Home Location:	Manchester
Notice period:	Immediate Start
Position sought:	**Software Developer**
Contact No:	+44 (0) 772 4135 220
Email:	semirtamir@yahoo.com
Website:	https://www.semiribrahim.co.uk
Video CV:	https://tinyurl.com/4nkyhh44

PERSONAL PROFILE

Motivated, enthusiastic and academically gifted computer networks and communications engineering graduate, who had achieved first-class honours degree and won the Chartered Management Institute (CMI) award for "Best Gloucestershire Student 2012", seeking to join a progressive firm which will make use of my talent and industrial experience. Currently, I am looking for an opportunity to deploy my knowledge and skills in a software development role.

In 2013, I developed and presented my final year project which was about a distributed multilingual English translating and pronouncing dictionary software application, developed using C# programming language and .NET 4.5 Framework in Visual Studio 2012. The software application functions in conjunction with the MySQL database server. The main objective during the project implementation was to develop application software that is capable of translating English words to multiple foreign languages while providing English words pronunciation. The software consists of a multithreaded server and client application connected to a MySQL database management engine, collaborating together to perform the translation and pronunciation process in client-server communication architecture, using TCP sockets. This has been achieved by building application software in C# language for utilizing data analysis and speech synthesis.

The main motivation for developing such an application software project was for demonstrating software engineering skills and knowledge that I have acquired during my industrial placement and internship in 2012 and 2013 respectively, and during my course time at the University of Westminster. This includes both disciplines of programming methodologies and software development and its lifecycle.

In 2012, I was employed by a Gloucestershire based energy services provider company known by Halliburton for my industrial placement experience, the company provides its technology and services for major oil companies around the globe, where my duties involved writing C# code for interfacing mathematical functions such as Fast Fourier Transform (FFT) and Matrices, designing Graphical User Interface (GUI), testing and documentation for a Triaxial Fluxgate Magnetometer Tester software, which application software used to test a sensor device used in the 2nd generation telemetry tools of Measurement While Drilling (MWD) technology.

I have a good knowledge of Linux, UNIX, Visual Studio, FPGA, VHDL, C/C++, C#, Java, RDMS, MySQL, MS SQL, Windows Server 2008 R2, knowledge of utilities and concept of Apache, DNS, DHCP, IIS, FTP, SMPT, POP, IMAP, SSH, IDS, IPS, TCP/IP Networking, Cisco IOS, Routers, Switches, Network Bridge, Access Points and Agilent data acquisition systems. I also have academic knowledge of CCNA and CCNP, and skills for implementing small and medium-sized enterprise VPN, LAN, WAN, and WLAN computer networks and communications infrastructure. I consider myself to be highly motivated and able to handle a broad range of tasks, I believe that I possess good problem-solving skills and I am hardworking and team orientated person. I am able to comply with all relevant technical standards, and have a proven track record of delivering all specified project outcomes on time and also within the budget and to the quality required.

EDUCATION

B.Sc Hons (1ˢᵗ Class) Computer **Networks & Communications**	University Of Westminster (London, UK)	2009 – 2013
Diploma: (Distinction) First Line Management	City of Bristol College (Bristol, UK)	July 2012
Diploma: (Distinction) Access to Higher Education	West London College (London, UK)	July 2009

COMPUTING EXPERIENCE

	Skill Name	Skill Level	Last Used	Experience
Languages	68K Assembler	Academic	> 3 years ago	1 year
	C#	Industrial	currently used	> 8 years
	C/C++	Industrial	> 4 years ago	2 years
	Java	Industrial	currently used	> 4 years
	JavaScript	Industrial	currently used	> 6 years
	VHDL & FPGA	Academic	7 years ago	1 year
	Visual Basic 6	Industrial	> 4 years ago	1 year
Tools/Objects	Excel	Industrial	currently used	> 2 years
	JSP	Industrial	> 4 years ago	> 1 year
	HTML	Industrial	currently used	> 6 years
	PowerPoint	Advanced	currently used	> 4 years
	Thymeleaf	Industrial	> 4 years ago	6 months
	XML	Intermediate	currently used	2 years
	MS Word	Advanced	currently used	> 7 years
Databases	Access	Intermediate	> 4 years ago	> 1 year
	MS SQL	Industrial	currently used	> 8 years
	MySQL	Academic	currently used	> 6 years
	Oracle 12c	Self-study	currently used	< 1 year
Automation Tool s	Maven	Industrial	currently used	1 year
	Jenkins	Industrial	currently used	1 year
	Docker	Industrial	currently used	< 1 year
Debugging Tools	Visual Studio (2008+)	Industrial	currently used	> 8 years
	GDB (Linux)	Industrial	> 4 years ago	> 1 year
	Eclipse Debugger	Industrial	currently used	> 2 years
Merge Tools	WinMerge	Industrial	> 4 years ago	1 year
	Meld	Industrial	> 4 years ago	< 1 year
SCM Tools	Git	Industrial	currently used	> 4 years
	SVN	Industrial	> 4 years ago	1 year
	SourceSafe	Industrial	> 8 years ago	1 year
Project Frameworks	Agile/Scrum	Industrial	currently used	> 4 years
	PRINCE2	Industrial	> 7 years ago	6 months
Software Frameworks	.NET	Industrial	currently used	> 8 years
	Spring	Industrial	> 4 years ago	> 2 years
	Play	Industrial	> 4 years ago	1 year
	Spring Boot	Industrial	> 4 years ago	> 1year
Testing Frameworks	Junit	Industrial	currently used	3 months
	Mockito	Industrial	currently used	3 months
	SoapUI	Beginner	> 4 years ago	3 months
SDT & Editors	Eclipse	Industrial	currently used	> 1 year
	Vim (Linux)	Industrial	currently used	< 1 year
ORM	Hibernate (Java)	Industrial	currently used	> 2 years
	Entity Framework	Industrial	currently used	> 4 years
Operating Systems	Windows	Advanced	currently used	> 8 years
	Mac OS	Advanced	currently used	> 4 years

	Server 2008/2012	Industrial	> 2 years ago	> 1 year
	Linux / Ubuntu	Intermediate	currently used	> 4 years
	Linux / CentOs	Intermediate	currently used	> 4 years
Web Services	CORBA	Academic	> 4 years ago	6 months
	gSOAP	Self-study	currently used	1 year
	Hessian and Burlap	Self-study	> 4 years ago	1 year
	RMI	Academic	> 4 years ago	1 year
	RESTful	Industrial	currently used	> 4 years
	RPC	Academic	> 4 years ago	< 1 year
	JAX-WS	Industrial	> 4 years ago	< 1 year
	Apache Tomcat	Industrial	currently used	> 2 years

FELLOWERSHIPS, GRANTS, HONOURS

Engineering Development Trust (EDT)	Year in Industry Experience	02 Sep 2012
Chartered Management Institute (CMI)	CMI Best Gloucestershire Student Award	04 July 2012
British Computer Society (BCS)	Member since: -	11 Oct 2011
Eritrean Youth Festival (EYF)	Best Student Creativity	02 Sep 2001

Group Leader, University Of Westminster, March 2011

FPGA Design Project for Microelectronics module, where I managed and worked with a group of fellow students to design and implement a Finite Impulse Response (FIR) digital filter device. I was also responsible for top-level design while providing VHDL code for the firmware. My group had completed the project ahead of the schedule with very positive feedback from our tutor and module leader.

PROJECTS (At University/Work placement)

- Prometheus Triaxial Fluxgate Magnetometer Tester Software design and implementation for 2nd generation of Measurement and Logging While Drilling (MWD and LWD) drilling technology, accomplished on 25th June 2012.
- Network Intrusion Detection System, using C++, in progress since 5th May 2012.
- Scheduling Algorithms Simulator for Symmetric and Asymmetric Multiprocessor Environment accomplished on 29th June 2013.
- Multilingual English Translating and Pronouncing Dictionary, using C#, accomplished on 31th May 2013.
- UDP (Datagram) Socket Application Design and Implementation, using Java, accomplished on 3rd May 2011
- Microprocessor System Design with Z80 CPU accomplished on 15th April 2011
- Network Connections and Communications Design for Medium-sized Enterprise accomplished on 18th April 2011
- Microelectronics and FPGA, Finite Impulse Response (FIR) Filter Systems Design, using VHDL, accomplished on 3rd Mar 2011
- Sorting Strings using Assembler 68K, accomplished in December 2009
- TCP Sockets, RMI and CORBA Server-Side Application using Java, (Jan 2009 – May 2013) the University of Westminster.

EXPERIENCE

Senior Full Stack Developer (Contract)
Unaro Ltd.
04 Apr 2022 – 24 Aug 2022

Working as a Senior Full Stack Developer, activity included development of Unaro Website both frontend and backend, fixing bugs, writing documentation, and implementing new features to the website.
Responsibilities include:

- Update the website to use Material UI V5 for frontend interface.
- Involved in the development and fixing bugs for the backend API implemented in Java in microservice paradigm.
- Implement new design for the frontend UI in React.js with state management Redux Sagas.
- Deployment of the new features and bugs fix to the production in CI/CD with Github & Circle CI.

Senior Software Engineer (Contract)

Couchbase, Inc.

23 Aug 2021 – 28 Mar 2022

Working as a Senior Software Developer with the developer advocate team, activity included development of tools, sample applications, example code, documentation, and tutorials to ease the use of Couchbase by developers and customers. Responsibilities include:

- Build sample apps, demos, and example code.
- Involved in the development of developer portal (using ReactJS and Java API) used to show-case and guide developers the ease use of Couchbase.
- Implemented example sample tutorial in Java using Spring Data framework.
- Participate in an online developer communities and events.

Senior Software Engineer (Contract)

Ivanti UK (Supply Chain Management)

01 Jun 2020 – 14 Aug 2021

Worked as a Senior Software Engineer for a supply chain department as a member of a scrum team responsible for designing and building solutions that meet the requirements set out by the product manager. In collaboration with my team, I was able to add new capabilities (features) to a well-stablished solution called Avalanche (an enterprise mobile management solution). Core responsibilities:

- Design and develop solutions to be hosted in the cloud (Azure) and largely consumed via browser and API interfaces.
- Deliver code that complies to the company's standards and is covered with unit and integration tests.
- Contribute to the success of sprints/team commitments by engaging with planning sessions, code reviews and engaging with team members on an ad-hoc basis to get the job done.
- Develop software solutions using object-oriented language, web applications/services and relational databases. I've used Angular, C#, .Net Core, .NET 5, and SQL Server.
- Involved in the development of Android mobile application and backend services.

Senior Software Developer (Permanent)

Diagnostic Solutions Ltd

10 Dec 2018 – 30 Apr 2020

Worked as a Senior Software Developer for an end to end integration of Web Apps with Asp.NET Core/MVC API backend. I have also worked integrating data from virtual Factory IO environments into the company products. Involved in the development and implementation of Linux embedded code environments and Automation protocol/PLC interface. Using Modbus, Profinet, and OPC UA protocols for PLC programming in both Siemens Simatic Step-7 (TIA) and Codesys IDE for Wago PLCs. Core experience includes:

- Developing software products in line with the specification set out by Chief Architect and the company technical director.
- Identifying possible areas of improvement and raising these as potential development actions for future releases.
- Involved in lots of project areas almost all involving C# and Entity Framework, integration with Linux embedded systems, IoT, Bluetooth 5/LoRa Sensors, Artificial Intelligence (AI), data marking and Automation PLCs.
- Data and web security implementation and protection system.
- Designing and implementing secure data transfer and storage solutions using web call or email clients (IMAP/POP3).
- Integrating 3rd party tools for frontend application using Telerik/Kendo UI and other open-source tools and frameworks such as Angular, Bootstrap 4 and Material Design frameworks.

Software Developer (Contract)

Desap UK Ltd

06 Feb 2018 – 25 Sep 2018

Full-Stack development for an end to end integration of mobile Apps with Asp.NET Core/MVC backend. Involved in the full life cycle development for Android and iOS Mobile Apps and integration to the backend CMS and Back-Office management system. Core experience includes:

- Design and Develop Back-Office and CMS management systems for Android and iOS Apps.
- Web API integration for RESTfull Services.
- Building reusable C# and Java code and libraries.
- Implementing web security and data protection.
- Designing and implementing data storage solutions for online and offline mobile access.
- Integrating Android and iOS Apps backend to server-side logic.

Software Developer (Contract)

Trend Care Systems UK Ltd

02 Feb 2015 – 16 Jan 2018

The role focused on the development, maintenance, customisation, enhancement and support of clinical reporting, data exports and data interfacing relationships between the TrendCare software solutions and other clinical and non-clinical systems in the healthcare eco-system. Gained experience in:

- Healthcare IT
- Software development using Visual Basic 6 (VB6) programing language.
- Reporting tools such as vsReportWriter and Crystal Reports.
- Stored procedures using SQL and Microsoft SQL Server (2008 onwards).
- File parsing (XML, CSV, TSV).
- .Net Frameworks (ASP.NET/MVC & Windows Forms) using Visual Studio 2017.

Software Engineer (Contract)

Digital Application International (DAI) Ltd

14 Apr 2014 – 21 Jan 2015

Projects:

Doddle

I worked in two projects, for the first project I've used Java2EE, JSP and Thymeleaf to develop a web registration form and validation using J2EE, JavaScript/jQuery, and Ajax that interfaces with MS SQL database, and various other project modules for data persistence, which also involves parcel collection barcode generation using Code 128 and Code 39. The second assignment was to participate in developing an automated email and SMS notifications for a registered customer with their web shipment ID, as well as parcels collection code on making orders.

- Web development for a web-based user interface using Spring MVC and MS SQL Server as a back-end.
- Developing and testing the Web Services modules implemented in C- language for ILS (In-house Logistic Supply chain)/Warehouse Management System (WMS), I also worked on the end-to-end test between third party websites and Parcel Delivery Management Service (PDMS) system.

Culina Logistics

- Involved in the development of some algorithm according to the request of change by the customer for Transport Management System modules (implemented in C-language), which were deployed in warehouse and transport management application.
- Implemented, modified and tested mathematical algorithms within the web service for information exchange and data manipulation produced by 3rd party application in the form of a spreadsheet.

Junior Software Solutions Consultant (Contract)
eGain Communications Ltd
22 Jul 2013 – 27 Dec 2013

I worked in EMEA professional services, implementing CRM solutions for email, Knowledge-management, Guided Help, Web Self-service, Analytics, Social, Chatbot as well as multi-channel interaction hub solutions. My primary responsibilities included business requirements analysis, solution design and implementation. I also gained experience in providing business case benefits of eGain's unique Case-Based Reasoning (CBR) technology, to customers utilizing best-practice methodologies such as Knowledge Elicitation, Visio and Case Base design. I have gained experience in implementing Web-based Java application, CSS and HTML. I also gained experience in implementing Java EE application alongside MSSQL 2008 R2 server integration.

EMPLOYMENT EXPERIENCE PRIOR & DURING EDUCATION
Software Engineer   **(University Sandwich place year)**
Halliburton Manufacturing & Services Ltd
15 Sep 2011 – 31 Aug 2012
Involved in a software development project for implementing, testing, documenting and coding using the C# language for a bespoken Windows Forms (WinForms) application used to test a Fluxgate Magnetometer sensor device used in the 2nd generation telemetry tools, in-order to measure magnetic fields in 3D. I was engaged in developing the existing GUI of the software application for better user interaction and incrementing further features and performance improvement. I have gained experience in using .NET Framework technology alongside good MS Excel spreadsheets. My primary focus was delivering well structured, maintainable and scalable solutions and designs for manufacturing and testing of the Triaxial Fluxgate Magnetometer Tester Software (Magnetometer).

2006
I relocated from Eritrea to the UK with the intention to study. As I had been out of the EU for some years I had to wait several years before I went to University – hence the positions below:

Customer Service
Tesco Plc.
Oct 2007 – Sep 2011

Assistant Manager
Café Vibe
Mar 2007- Oct 2007

Customer Assistant
Starbucks Coffee
22 Jul 2006 – 03 Apr 2007

REFERENCES
Available upon request