

Mrs. SUJATHA MOHANRAM  
Open Work Permit (Study Permit) – Canada

PERSONAL INFORMATION

- British Citizen
- Date of Birth: 02 March 1971
- Marital Status: Married
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- LinkedIn Profile: <http://uk.linkedin.com/in/sujathamohanram>
- Research interest: [https://www.researchgate.net/profile/Sujatha\\_Mohanram2](https://www.researchgate.net/profile/Sujatha_Mohanram2)

Having enriched experience in software Analysis, Design & Development in software Applications, middleware applications such as J2EE-EJB, JMS, WebServices etc. leveraging the experience in WebLogic 6.1, 7.1, 8.1 and WebLogic Personalization Server 3.5, MQSeries, WebSphere Application Server 6.1,7.1 etc. Successfully integrated content management system and WebLogic personalization server and implemented personalized site for SONY (Europe), which is highly appreciated by SONY and BEA. I am Proud to have been associated in Inland Revenue projects as EDS and as Capgemini. It is a dream come true to have started with IBM as Product developer in WebServices team. I have been commended by IBM in participating in worldwide IBM integration experiment and was awarded best Systems Integrator of IBM products for integrating IBM products in very short time. . I am proud to be part of EDS (HP ES) back again in Department of Works and Pension in Newcastle. Having completed research in NASA software architecture, I am proud to be representing University of Glasgow for further research in software architecture.

JOB OBJECTIVE

I hope to contribute towards research on software as senior software architect.

EDUCATION

- Bachelors in Business Administration
- Post Graduate in Personnel & Industrial Relations.
- Master in Business Administration. -International Finance. Birmingham University
- Masters in Science (Research) Computer Science. University of Glasgow

PROFESSIONAL QUALIFICATIONS

- Certified IBM E-Commerce developer.
- Certified Java - EJB Programmer from Brainbench.
- Certified BEA Weblogic Personalisation Server developer.
- Certified IBM Architect.
- Certified Advanced Web Service Developer - IBM
- Certified Linux System Administrator – IBM
- Certified WebSphere Advanced Security – IBM

## PATENT DISCLOSURES AND RESEARCH PAPERS/ ARTICLES

- I have made two technical patent disclosures to IBM patent office all related to Messaging Arena
- I have submitted technical article to Developer works
- I submitted a research paper on 'WebSphere Application Server – An Inside out approach' - explaining the importance of competition and positioning in market. – Jan 2008
- I submitted a research paper on IBM Financial Strategy and Analysis – May 2008
- I submitted a research paper on importance of HR involvement in Talent management in our industry – June 2008
- I have published in University of Glasgow on software architecture of NASA

## PROFESSIONAL EXPERIENCE

### **Project: Microservices architecture**

**October 2021 – July 2022    Global Trade Corporation Scarborough Canada                      Architecture Consultant**

Advise on Microservices architecture for trade platform. Choose the right technology for the problem, solve software problems. Make the architecture more efficient, resilient.

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### **Project: part- time lecturer**

**September 2021 – March 2022    Toronto Business School Scarborough Canada                      Lecturer**

Taught computer science degree students, Communication, Linux Administration, Web Design, Database

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### **Project: Impacting the education of software architecture**

**February 2019-February 2020 Pilot organisation Montreal IMpacte Affaires-govt. of Canada sponsored, Canada**

My role was to teach.

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### **Project: Accident analysis of software architecture**

**September 2016-June 2018    Research    University of Glasgow, UK                      Software Architect**

- To understand overall structure of the software architecture in NASA Flight Software.
- To research on their failures which had taken a toll of \$7 billion and 10 years.
- To communicate with chief technologist of NASA and GAO auditors to understand the gravity of the situation.
- To research their solution out of the situation and advise on better solution. This was highly appreciated by GAO's Director and NASA technologist.

- Invented Blue Print of Architecture.
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**Project: Document Repository Service Support Services**

**August 2014-June 2016**  
**Architect**

**HP Newcastle UK**

**Software**

- Advise level 2 and developers on application improvement.
  - Advise performance improvement of application
  - Share technical knowledge with live services team
  - Advise program team of future architectural enhancements
  - Advise Account Executive on problem solutions
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**Project: Integration of legacy systems**

**June 2014-August 2014 HP NewCastle UK**

**Software Architect**

Was not deployed in project due to management issues

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**Project: Application Delivery**

**Dec 2013 – March 2014 Crown Office Procurator Fiscal, Edinburgh, UK Software Architect**

I was given a challenging role of improving performance in the existing projects. I developed proof of concept with my recommendations and proved that my recommendations stand good against the existing software developed.

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**Project: Knowledge management**

**Jan 2011-Feb 2011 North and East Hertfordshire NHS Trust, Hertforshire, UK Senior IT Analyst**

I am the only software engineer involved. Current knowledge center was outsourced and it does not match the requirements of the trust. My role involves assessing the current situation and architecting a feasible solution to match the requirements of the trust.

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**June 2009-Jan 2011 IBM Retrenchment**

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**Project: Connectivity and Consumability Event**

**October – 2008 (Interim project) IBM R&D Hursley UK. Software Developer (Product development)-Architect**

My role was to be a 'Test Subject' to understand what a customer of WebSphere ESB and CICS would undergo in order to integrate these two products. This role also involved suggesting architectural improvements to the product. Thus it goes without saying that only people with proven track record were chosen to participate in this event.

**Project: System Verification Test – WebSphere Application Server 7.0 – System Integration Bus**

**June-2008-June 2009**  
**development)-Architect**

**IBM R&D Hursley UK .**

**Software Developer (Product**

I was assigned independent role of architecting solutions and integrating the products. Management was astonished to see it integrated in record time. After which I contributed to the improvement of Information Center (product associated document) restructuring. Also provided architectural solutions to customer facing Architects who needed help. I am to join WebSphere product development team for next release of WebSphere Application Server.

**Project: Functional Verification Test – WebSphere MQSeries - JMS**

**January-2008-June 2008 IBM R&D Hursley UK.                      Software Developer (Product development)**

I was involved in regression testing MQSeries 7.0 release in specific JMS side of it.

**Project: WSPolicy implementing standard– WebSphere application server release 7.0**

**November-2006-Jan 2008                      IBM.                      Software Developer (Product development)**

I was involved in implementing MEX-Metadata Exchange specification and helped implementing wspolicy specification to certain extent, since the project was towards the last leg of the implementation when I joined.

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**Project: Inland Revenue-Porting All Inland Revenue websites under Single sign on architecture and integrating Content Management System.**

**June-2006-November 2006 Capgemini, Telford UK.                      Senior Application Analyst**

I was involved from requirement phase, feasibility study and prototyping and currently implementing first phase. This is a prestigious project since Capgemini has taken over Inland Revenue projects and only few senior developers were involved. Glad and proud to be contributing and suggesting improvements for efficient and performing web portal.

**Project: Inland Revenue- Construction Industry Scheme Reform (CISR)**

**Jan-2006-May 2006                      Capgemini Telford UK.                      Senior Application Analyst**

I was involved in Usecase analysis, Technical analysis, Design and implementation of the project.

Specifically implementation of external Portal application.

**Project: Inland Revenue-eAST Team Control Center**

**Oct-2005-Dec-2005                      Capgemini Telford UK.                      Senior Application Analyst**

I was involved in gathering requirements from the team, implementing and support of the application.

**Project: Inland Revenue- Construction Industry Scheme Reform (CISR)**

**May-2005-Oct 2005                      Capgemini Telford UK.                      Senior Application Analyst**

I was involved in Usecase analysis, Technical analysis, Design and implementation of the project.

Specifically involved in implementing Message Composer in ERIC for CISR.

**Project: Inland Revenue- Pensions Scheme (TPSS)**

**Jan-2005-May 2005                      Capgemini Telford UK.                      Senior Application Analyst**

I was involved in Usecase analysis, Technical analysis, Design and implementation of the project.

**Project: Inland Revenue- Corporation Tax (CT)**

**July-2004- Dec 2004      CapGemini Telford UK.      Senior Application Analyst**

I was involved in design and implementation to view CT forms electronically. I was asked to mentor few team members being senior application analyst. I was also involved in support of the product post-live operation.

**Project: Inland Revenue- Feasibility Study: Migration of Portal/GGIS to Weblogic 8.1**

**April-2004- Jun 2004      CapGemini Telford UK.      Senior Application Analyst**

Involved in determining areas of concern in migrating portal and GGIS code base to Weblogic 8.1. Also involved in migrating GGIS code set to Weblogic 8.1.

**Project: Inland Revenue- PAY AS YOU EARN (PAYE)**

**DEC-2003-March 2004 Electronic Data Systems Telford UK.      Senior Application Analyst**

I was involved in design and implementation of the agent's search functionality being part of PAYE team.

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**Project: Content management assignments- COMPLETE WEBSITE IMPLEMENTATION**

**For NURSING & MIDWIFERY COUNCIL and LeMeridien (Intranet)**

**APRIL-2003-NOV-2003 VarTech Solutions Ltd Guildford UK.      Java Specialist**

I was involved design and implementation of the site by customization of Content Server to meet the requirements. Developed all application tiers (web pages, client-side scripting, server-side scripting, application components and database). Coding and testing the site.

**Project: Content management assignments- COMPLETE WEBSITE IMPLEMENTATION Phase II**

**JAN-2003-March 2003      VarTech Solutions Ltd Guildford UK.      Java Specialist**

I was involved in design and implementation of the site by customizing Content Server to meet the requirements. Developed all application tiers (web pages, client-side scripting, server-side scripting, application components and database). Coding and testing both versions of the site. Developed several content management prototypes using divine Participant Server, including the integration with external databases. Also created content grabbing and publishing to static site functionality in java to publish content from divine participant Server.

**Project: VarTech Solutions web site- COMPLETE WEBSITE IMPLEMENTATION Phase I**

**April 2002 - Dec. 2002 VarTech Solutions Ltd Guildford UK.      Java Specialist**

I was involved in design and implementation of the site. Developed all application tiers (web pages, clientside scripting, server-side scripting, application components and database).

**Project USER MANAGEMENT APPLICATION**

**FEB 2002-MAR 2002      SONY Europe ( VarTech Solutions Ltd) Woking UK      Java Specialist**

I was involved in design and implementation of Cache Management: provides flexible way to store entities so that they can be retrieved more quickly than re-building them. This is a performance saving technique used for UMA. This is accomplished using J2EE mechanisms- Entity Bean, Session Bean and Factory Objects. Persistence is managed in both file and memory based. Used session façade pattern for efficiency. Transforming application information to display the pages dynamically using java and DOM.

**Project DEALERNET****SEP 2001-JAN 2002 SONY Europe ( VarTech Solutions Ltd) Woking UK****Java Developer**

Involved in Analysis of Requirements, Design and implementation. Integrated Open Market Content Management system with Weblogic Personalization Server to meet the requirements of the application. Created the middle ware and back end required to personalize and customized content delivery to the end users by applying J2EE mechanisms-Entity Beans to store and retrieve user profile information as XML into JSP pages.

**Project SINGLE SIGN ON INITIATIVE****JUN 2001-AUG 2001 SONY Europe ( VarTech Solutions Ltd) Woking UK****Java Developer**

Handled all database related aspects through java, JDBC.

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**Project WIRELESS SHOPING THROUGH WAP ENABLED MOBILES****FEB 2001-MAR 2001****DIGITALRUM (UK)****Java Developer**

Involved in JDOM/DOM team to upgrade version 1 to version 2 with additional features.

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**Project HOSPITAL MANAGEMENT****SEP 2000- DEC 2000 KUVARP INDUSTRIES PVT.LTD Bangalore India****Programmer**

Developed the front end using Applets. Developed Applets for calling database procedures using JDBC.

**Project Prototype for Net Banking System****JULY 2000-AUG 2000 KUVARP INDUSTRIES PVT.LTD Bangalore India****Programmer**

To check the feasibility of EJB in real time Environment.

**Project ONLINE SHOPPING****FEB 2000-JUNE 2000 KUVARP INDUSTRIES PVT.LTD Bangalore India****Programmer**

Used Servlets as client to EJB. Developed the middle tier using Servlets, EJB. Used Weblogic server. Used JDBC for insertion, selection and updating of the data into database.

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**Sept. 1998 – Dec. 1999****United Apparel Fiji Ltd.****Method Engineer****Sept. 1996 – Sept. 1998****Leela Fashions Ltd.****Industrial Engineer**