## Ujesh Mohanan

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**GENERAL OVERVIEW**

Experienced software professional with over 9 years of experience in designing and developing software applications using C++ and C over windows and LINUX platforms. Currently working as Tech lead with Accel Frontline Limited.

**SUMMARY**

* More than 9 yearsof experience in Design, Development and Support of software systems.
* On hand experience in C++/C over Windows and LINUX platforms.
* Expertise in LINUX shell scripting and knowledge of windows scripting.
* Strong in SQL and have work experience on different RDBMS such as Oracle, My SQL and MS SQL Server. Excellent knowledge of PL\SQL.
* Exposure to design patterns and UML.
* Worked as onsite coordinator in USA.
* Holding B1 USA Visa.
* Familiarity with agile methodologies: Scrum and Kanban.
* Proven ability to co-work and experience of working under cross-cultural and multi-lingual environments.

**WORK EXPERIENCE**

2011/06 – Present Accel Frontline Limited, Kochi

Tech Lead

2008/09 – 2011/05 WiFi Networks Private Limited, Bangalore

Tech Lead

2005/09 – 2008/09 Prudent Technologies Private Limited

Software Engineer

**TECHNICAL SKILLS**

Programming Languages:

C/C++ 9 years

SQL 5 years

Linux shell scripting 3 years

RDBMS: SQL Server (2 years), My SQL(3 years), Oracle(3 years)

**MAJOR PROJECTS**

**Specialty Printing System – Toolkit 2.0:** An SDK for controlling and communicating with a big volume high speed industrial printer.

Technologies Used : C++, C

Responsibilities : Project Lead. Worked as onsite coordinator for 4 months at Hewlett Packard, San Diego, USA.

**Specialty Printing System – ISimulator:** Specialty Printing System is Hewlett Packard’s big volume high speed industrial Printer. The ISimulator project aims at creating an intelligent simulator which simulates the functionalities of the printer.

Technologies Used : C++, C#

Responsibilities : Project Lead.

**SMS Gateway:** The project aims at creating an SMS Gateway which can connect to multiple SMSCs and accept connections from multiple clients simultaneously. The system supports single and bulk text as well as Unicode SMSs. The system provides SMPP and web based interfaces for its clients to connect with it. The run time engine for this project was implemented in C++ and the web interfaces were developed in JSP.

Technologies Used : C++, Oracle PL/SQL

Responsibilities : Design, development and unit level testing of runtime engine.

**IN Interface:** The IN Interface is an SDK which allows users to create applications to communicate with different Intelligent Networks (IN) without knowing their underlying protocols. It is a multi-threaded application which connects to a number of INs and listens for connection requests from its configured client applications. The client can send requests to the IN Interface using a predefined protocol based on http. The IN interface will convert these requests to protocol specific packets, interact with the Intelligent network requested by the client and return the results back to the client. The interface supports different protocols such as SMOI, UCIP and MINSAT.

Technologies Used : C++, Oracle PL/SQL

Responsibilities : Design, development and unit level testing.

**Short Code Manager:** The Short code Manager is an innovative application which allows the simultaneous sharing of single USSD short code between multiple USSD clients. This application accepts SMPP requests from configured USSD client applications convert them to the short code to which it is mapped, communicates with the USSD gateway with the only short code accepted by it and returns the result back to the respective clients.

Technologies Used : C, Shell Scripts and MY SQL

Responsibilities : Design, development and unit level testing

**Subscriber Management Platform (SMP):** The Subscriber Management Platform is an innovative platform widely used by various telecom operators to manage their inactive customers effectively and try to retain them. This system interacts with the Mobile Switching Center and keeps track of a huge list of mobile subscribers who are inactive for a long time. Whenever a subscriber comes online, the system sends a predefined offer SMS provided by the telecom operator either through its inbuilt SMSC or using the operator SMSC.  
Technologies Used : C++, Shell Scripts and MY SQL  
Responsibilities : Team member. Actively participated in the design, development and testing.  
  
**Mediation Centre Package:** Software used for controlling various telecom switches from a single location. Provision of services, connection termination, reconnection, data retrieval of meter registry readings etc. can be initiated from one location for various switches located at different geographical areas.

Technologies Used : Oracle 9i, PL/SQL.

Responsibilities : Enhancements, maintenance and technical consultancy

**Automatic Disconnection and Reconnection System:** The application used for generating disconnection and reconnection requests to be executed in the switches. This module is compatible with TRA Billing System, BSNL.

Technologies Used : PL/SQL, shell scripts

Responsibilities : Development, maintenance and technical consultancy

**EDUCATION**

* Three years diploma in Computer Engineering (Full time) from the Directorate Of Technical Education, Kerala, with First Class ( 64.21 % ) during the Academic year 2002-‘05.
* Plus two from the Board of Higher Secondary Examination, Kerala. with First Class (61.89%) during the Academic year 2000-’02.
* S.S.L.C from the Board of Public Examinations, Kerala with First Class (78%) during the Academic year 1999-2000.