# Umesh Kumar Mobile: 602-502-0597

Umeshkr87@gmail.com

**Objective**

To contribute to the productive growth of the firm in a responsible position utilizing the experiences I have gained in the field of software engineering and development.

# Career Summary:

* Around 7 years of experience in Object Oriented Analysis, Design (OOAD) and Development of Enterprise Application in Java/J2EE platform.
* Extensive experience in all phases of a project development life cycle from Requirements analysis, Design, Implementation, Testing, Documentation, Standard reviews and Maintenance support.
* Experience in working with SOAP and REST Architecture.
* Good knowledge in Servlets, JSP, Struts 2, Spring MVC, Spring Integration, Java Beans, JPA, Hibernate, Collections.
* Experience in writing Maven build and Log4J and JUnit for unit testing.
* Expert in creating and deploying EAR and WAR files in JBoss 7.1 and Tomcat, Glassfish 4 server.
* Experience in writing SQL, PL/SQL on ORACLE database.
* IDEs for development – Eclipse, Netbeans, VI etc.
* Good understating of Linux system and proficient in shell scripting and Python scripting.
* Knowledge of design pattern such as Singleton, Factory etc.
* Experience of using version control application such as SVN, Clearcase.
* Very good debugging skills and working experience with JStack/GDB debugger.
* Extensive experience in application development and system programming in C/C++, CORBA on Linux platform.
* Socket programming, IPC and multithreaded programming (POSIX) experience.
* Extensive experience with SDLC like Waterfall, and Scrum/Agile methodologies.
* Extensive work experience as a Team/Development Lead with complete ownership of end to end deliverables including requirement gathering, analysis, design, development, testing, launch and post production support.
* Very adaptive and adept skills to learn new technologies and take new initiatives.

**Technical Skills**

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| Languages | Core Java 1.6, C++, C, HTML, XML, UNIX Shell Scripting, Database SQL |
| J2EE Technologies | J2EE (Spring MVC, Restful web services, Struts 2, Hibernate, JPA, EJB, JSP, Servlet), SOAP, HTML CSS, XML, XSLT, JSON, Java Script |
| Databases | Oracle 11g, PostgreSQL, MySQL |
| IDE/Tools | Eclipse, VI, SQL developer, SOAP UI, JStack, GDB debugger, CURL, Putty, WinScp |
| Version Control Tools | Tortoise SVN, SVN through command line, Clearcase |
| Operating Systems | Unix/Linux, Windows NT/2000/XP, Solaris |
| Build Tools | Maven, Make |
| File Transfer tools: | WinSCP, FileZilla |
| Memory Management/Tools | Eclipse-Profiler, Valgrind |

**Education:**

Bachelor of Technology from Cochin University of Science and Technology, Kochi, Kerala, India

**Certifications:**

Brain bench certification in Java 5 and C++ in 2014

**Professional Experience:**

**Sprint Nextel (Chrysler), Overland Park, KS Jan 2013 – Till Date**

**Role: Developer and Production support**

**Project: CVP (Connected Vehicle Program)**

**Description:** Sprint Nextel Corporation is a US-based telecommunications Services Company headquartered in Overland Park, Kansas. It operates wireless networks on multiple frequency bands and provides 2G, 3G and LTE services in United States.

Besides all its core business Sprint is venturing into the development of telematics solution for luxury cars. Sprint is involved in emerging automotive solution development of Chrysler (luxury car maker) Connected Vehicle Program (CVP). CVP is a telematics embedded platform with a base set of telematics features that have the ability to be enhanced "over the air" with updated and/or new features (including related software applications and support software). The feature set is implemented as a digital rights centric solution (aka Premium Content) delivered via an "App store" industry model and is flexible as the available features continually expand beyond the base set of features available at system launch and factory installation.

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**Responsibilities**

* Understanding of NGTP (New Generation Telematics Pattern) used for development of infotainment system of connected vehicles.
* Involved in architectural and design meetings of various modules of the product.
* Technical walkthroughs with business analysis team assessing technical complexity, dependencies, risks and improvements and help documenting formal business requirements.
* Worked closely with product teams, business analysts and customers in gathering and evaluating the requirements for the product.
* Involved in designing the database model.
* Developed the Code with all Industrial standards using Spring, Java Persistence API (JPA), Restful web services.
* Understanding the business requirements of finance team and documenting them in HLD (High Level Design Doc) and LLD (Low Level Design Doc).
* Developed application for financial report and various invoice generation of CVP application.
* Responsible for the creation and execution of the Unit Test cases for each coding assignment.
* Writing SQL script for generating various reports of finance and marketing team.
* Application deployment on JBOSS server in Linux environment in Production and Test environment.
* Post production validation and production server troubleshoot.
* Creating shell scripts to monitor and automate day to day work.
* Backend data manipulation by writing SQL scripts and finding affected records with customer’s defects.
* Production server maintenance and providing quick fix in case of critical production issues.
* Production issues and implementing/deploying hot fixes complying with standard service level agreements.
* Participated actively in agile methodologies (discussions, reviews, demos & scrums).
* Creating / Loading the bugs in to cvpextranet and assigning the severities for future reference.

**Environment**: Linux (Enterprise Suse)

**Technologies**: Java 6.0, Spring 3.0, RESTful web services, Hibernate, Jboss 7.1, Linux, Winscp, Putty, Oracle 11g, Quartz Scheduler, Eclipse Indigo, SQL developer, Maven, SVN, SOAP UI 5.0.

**Sprint Nextel, Overland Park, KS Jan 2012 – Dec 2012**

**Role: Developer**

**Project: Content Management System**

**Description**: Content management system is designed and developed for content stocking of the various Application JARs. These Applications are built for providing front end feature of telematics system. The Content Management System is used for tracking the workflow of content stocking and uploading the JARs to web server and update the backend for the corresponding JAR.

**Responsibilities**

* Involved in architectural and design meetings of various modules of Content Management System.
* Capturing the Business Requirements and documenting them in HLD (High Level Design Doc) and LLD (Low Level Design Doc).
* Involved in database design and modeling.
* Responsible for Java, J2EE (Struts2, JSPs, Servlets, Hibernate) design and development.
* Developed the front end and middleware code with all Industrial standards.
* Used java script, AJAX for validation, auto completion and CSS for rich look.
* Testing the application in every development environment and in production environment.
* Debugging the issue and bug fixing, if necessary.

**Environment**: Windows, Linux (Enterprise Suse)

**Technologies**: Java 6.0, Struts 2, Struts validation, Hibernate, Apache Tomcat, Winscp, Putty, Oracle 11g, Eclipse Indigo, SQL developer, SVN.

**Bank of America, Dallas, US** **Jun 2009 – Dec 2011**

**Role: Developer**

**Project: Global Cards Solution, Banking and Finance**

**Work Location: Bangalore, India**

The application Card Common Services provides access to Card Services Technology through reusable frameworks, business services, user interfaces and system applications. Common Services is comprised of core services, enabling services, and business services that function integrated or as independent, end to end standalone systems. The focus of application development areas is on the Business and Application Components. The target for Common Service team is to provide successful delivery for the deployment of web applications which comes as initiatives under different releases.

**Responsibilities**

* Responsible for JAVA, J2EE (JSP, Servlets, JDBC, EJB, JMS and SOAP web service) components design and coding/development.
* Develop the GUI and write business logic code for server side and client side.
* Capturing the Business Requirements and documenting them in HLD (High Level Design Doc) and LLD (Low Level Design Doc).
* Developed the front end and middleware Code with all Industrial Standards
* Used java script, AJAX for validation, auto completion and CSS for rich look
* Used Java Message Service (JMS) for sending messages between two client systems.
* Investigating the problem and doing the bug fixing, if necessary.
* Preparing and executing unit test cases of the developed modules
* Loading the bugs in to Quality center and assigning the severities for future reference.
* Ensure Quality Assurance activities in the project.
* Prepare and maintain system documentation and user manuals.

**Environment: WINDOWS, UNIX**

**Technologies**: Java, Servlets, JSP, Struts 2.0 , EJB 3.0, Web Services, SOAP UI, GlassFish server

**Ericsson, Overland Park, KS Jan 2009 – May 2009**

**Role: Design Engineer**

**Project: AXEIO**

**Description**: AXEIO project involves design development and troubleshooting of various software modules of APGL (Adjunct Processor Group on Linux) such as Adjunct Computer Subsystem (ACS). APGL is an input output device that allows the switching system to send or receive information to or from a remote destination. This information could be the configuration dump of the MSC, BSC, could be Statistic, CDR, counter etc.

**Responsibilities**

* Involved in architectural and design meetings of various modules of Adjunct Processor Group (APG).
* Technical walkthroughs with business analysis team assessing technical complexity, dependencies, risks and improvements and help documenting formal business requirements.
* Understanding the various software blocks of the product.
* Design and development of NSF (Network Surveillance Function).
* Design and development of LM (Log Manager) in ACS (Adjunct Computer Subsystem).
* Analyzing and fixing code defects, trouble reports and application crash, memory leak issues.
* Developed application with best C++ programming practices.
* Developed applications with high availability on clustered node (active and passive).
* Capturing the Business Requirements and documenting them in HLD (High Level Design Doc) and LLD (Low Level Design Doc).
* Involved in design and writing of user guide of various modules.
* Responsible for code merging, integration and version maintenance.
* Responsible for testing of owned modules after integration on APG Linux test node.
* Participated actively in agile methodologies (discussions, reviews, demos & scrums).

**Technologies**: Application development using C/C++ on Linux, multithreaded programming, socket programming, Inter process communication using IPC, ACE framework, High availability application development in clustered environment.

**Environment**: Linux, Eclipse IDE, VI editor, GDB debugger, Valgrind, Clearcase, Putty, Winscp

**Aeroflex Inc. India Oct 2008 – Dec 2009**

**Role: Developer**

**Project: Persistence Engine for CPA**

**Description**: Persistence Engine is designed to allow handheld device to store and retrieve data over the network. The data may be persisted in a RDBMS (Postgresql/Sqlite) or XML format. Basically Persistence is developed for storing and retrieving any type of data from different Network instrument over the network. The system can detect USB mass storage having XML to store full database using HAL and D-BUS system call.

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**Responsibilities:**

* Understanding the requirement specifications of Persistence engine.
* Understanding CORBA (Common Object Request Broker Architecture) and its architectural design for client server communication over the network.
* Design and development of Persistence engine on Linux platform to persist any type of data whether it’s a simple data object or complex data structure in database.
* Designed system to handle two DB’s to store/retrieve any data type by implementing factory pattern.
* Design and development of Persistence engine on Linux platform to persist any type of data whether it’s a simple data object or complex data structure in xml file format.
* Developed the application using CORBA with C++ to handle any data type and seamless network communications between client and server.
* Responsible for designing database and writing SQL based on business requirements
* Participated in defect meeting reviews with testing team to prioritize the bugs.
* Unit tested the system using CPPUnit to support any data type.
* Documentation of design specification documents.

**Technologies**: Extensive use of C++, CORBA for network communication and to support any data type, SQL, Shell scripting

**Environment**: Linux, Eclipse IDE, VI editor, GDB debugger, Valgrind, SVN, and GCOV code coverage tool.

**Cochin University, India Jan 2008 – Sep 2008**

**Role: Developer**

**Project: t-Test**

**Description:** The t-test assesses whether the means of two groups are statistically different from each other.

Project is divided in two modules: first module contains the personal information of the respondent and other contains the responses given by the individuals for the given questionnaire. These responses will be used for performing t-test. There will be two views as user and administrator in the project.

**Responsibilities:**

* Understanding the statistical t-test and requirement of the system.
* Design and development of t-test system on Linux platform.
* Responsible for designing database and writing SQL based on business requirements
* Documentation of design specification documents.

**Software Skills**: Extensive use of C++, SQL, Shell scripting

**Environment**: Linux, Eclipse IDE, VI editor, GDB debugger.