Subin K Soman

https://subinsoman.github.io

I am currently working as a Sr.Software Engineer at 6d Technologies .I have got 7+ years of experience in IT industry and most of it is in Telecom domain.
Engineering : Have good expertise in designing and building large scale distributed systems which can handle traffic of over 40-50 million subscriber base. Passionate about Scalable Architectures and Distributed Systems

IT Skills:

- Strong experience in core Java ,multi threaded concepts
- Experience in protocols like SMPP, DIAMETER
- Experience in custom plug in development in Pentaho spoon and Apache Nifi
- Experience in Kafka,Kylo
- Experience in hibernate
- Experience in Wildfly,Apache Tomcat web containers.
- Experience in docker
- Experience in using repositories like Git,CVS.
- Strong logical skills to derive concrete software solution
- Experience in analysis, coding and testing of the deliverable.
- Analytic thinker that consistently resolves ongoing issues or defects.

Technical skills

Programming	Java,Python,Scala ,JavaScript	OS	Gnu/Linux, Windows
DB	Oracle,MySQL,Hive,Redis	**IDE**	Eclipse, IntelliJ
Tools	Apache NIFI,Pentaho spoon	**Scripting**	shell script ,Latex

Experience

June:2013– Present
Sr.Software Engineer, Six Dee Technologies, Banglore.
Developed components for telecom service operators and creates new revenue stream for operators through innovative services. Its products are running on the major networks like Vodafone,Aircel,Airtel,Tata Telecom etc. and also International operators likeZain(Nigeria), EVN Telecom(Vietnam), Nawras (Oman) ,Omantel(Oman),MTN(Cameroon),Oreedoo Maldives etc.

Professional Projects Details

MAGIK **Customer Value Management**.
MAGIK platform is a Big Data enabled Customer Analytics and Marketing Automation solution that enables real-time contextual engagement with every customer at every interaction, channel and touch-point by gathering data from various sources and applying analytical modeling in real time to predict the customers future behavior, prescribe the next best action and personalize the engagements over the preferred channels

Functionalities

- Multi-Channel Campaign Management
- Advance Analytics and Segmentation
- Loyalty and Gamification

Technologies

- Nifi,Pentaho ,Kafka,Pandas,spark

ESME **External Short Messaging Entity**.

ESME is an external application that connects to an SMSC to engage in the sending and/or receiving of SMS messages. ESME is essentially one of these but without all the wireless aspects; i.e. it is connected via TCP/IP, X.25 or similar. Basically, anytime a mobile user sends or receives a message where the other party was not another real mobile user, it is likely that the other sender/receiver is an ESME.SMSC uses protocols such as SMPP, UCP, OIS, CIMD, SMCI all of which denote the concept of an ESME connecting to an SMSC.

Responsibilities:

- Development,Maintenance and implementation on Production for ESME supporting CIMD and SMPP protocols
- Unit/Load Testing

Diameter **protocol**.

Java implementation of the Diameter standard for Authentication, Authorization, and Accounting (AAA). Implementing the Base Protocol as well as some of the most important and widely used applications, RestComm Diameter allows a fast development of IMS components, such as Application Server (AS), Home Subscriber Server (HSS), Call Session Control Function (CSCF), Subscriber Location Function (SLF), etc. Featuring an extensible architecture to provide support for new applications, as well as to adapt the core functionalities of the stack to a fully customized solution.

The supported applications includes Base, Credit-Control Application, Ro (Online Charging), Rf (Offline Charging), Sh, Gx, Cx/Dx, Gq', S6a and many more. It also features an extensible architecture that allows additional Diameter application modules to be plugged in.

Responsibilities

- Member of the development team of the Diameter.
- Performance tuning
- Unit Testing/Load Testing
- Maintenance and Implementation on Production

UMS **Unified Messaging System**.

One source of revenue loss for operators is due to non-maturity of calls in the network. The typical scenarios are subscriber in a non-coverage area, switched-off condition or busy on another call.
Operators need to earn revenues from already stabilized voice channel by plugging such gaps and stimulating call completion.
The objective of 6d's UMS is to enhance call completion for both fixed and mobile networks, efficiently meeting the increased network traffic. Call completion gets enhanced especially for calls that would otherwise be lost.

Solution Highlights include

- Seamless access of services over voice/video/fax/e-mail

- Personalized mail-box access, storage and services for subscribers irrespective of access channels
- Flexibility of add on MCA services to the subscribers
- Individual control on message storage based on each channel

Clients

- Nokia Siemens Networks (Operator : ZAIN,BSNL,)

Responsibilities:

- Design & Development of the Mail Tracker Application for doing the Personalized mail-box access, storage and services for subscribers irrespective of access channels
- Design and Development of Different services associated with voice/video/fax/e-mail
- Unit Testing /Load Testing
- Participated in Code reviews and Code Optimization.
- Maintenance and Implementation on Production

Personal Details

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Notice Period	90Days	**CTC**	14+

Declaration

- I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Banglore   **Subin K Soman**