M. Deepak ⭐ Featured

Senior Software Engineer seeking roles in Software Engineering,Application Support,Project Management,Change Management,Defect Management,Quality Management,Requirement Gathering,Socket Programming,Multithreading,Unit Testing,RHEL,C,C++

Current Designation: Senior Software Engineer

Current Company: Tech Mahindra

Current Location: Bengaluru / Bangalore

Pref. Location: Bengaluru / Bangalore,Chennai,Canada

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Total Experience: 4 Year(s) 7 Month(s)

Notice Period: Currently Serving Notice Period

Highest Degree: B.Tech/B.E. [Mechanical]

Key Skills: Senior Software Engineer/Developer,Software Engineering,Application Support,Project Management,Change Management,Defect Management,Quality Management,Requirement Gathering,Socket Programming,Multithreading,Unit Testing,RHEL,C,C++

Verified :   Phone Number | Email - id

Last Active: 21-Jan-21   Last Modified: 21-Jan-21

Summary

To work in an innovative, creative & challenging environment where in I can utilize my technical expertise for the betterment of the product as well as for the company growth, to remain with the latest technology and to be successful in my professional career.

Work Experience

Tech Mahindra as Senior Software Engineer
Jun 2019 to Till Date

*   Communicating with client to understand the business requirements.
*   Design and develop the technical solution as per the requirement after discussion with the team leader.
*   Customizing existing modules as per the client requirement
*   Involved in Development, Unit Testing, Deployment, integration, Interaction with Client.
*   Post implementation support.

  Area of Interest

*   To work on projects that is very challenging in terms of technicality wherein my innovative & creative skills can be put to greater use
*   To work on robust & fault tolerant architecture like EFT switch, payment gateway applications
*   To explore more on UNIX internals (Message Queues, Shared Memory, Semaphore, Socket Programming, Multithreading) and UNIX clustering

  Technical Expertise

*   Strong knowledge on UNIX System Programming &UNIX Internals (Signals, Message Queues, Shared Memory, Semaphore, Pipes & Socket Programming)
*   Expertise in developing multi-threaded applications on UNIX using the POSIX threads API's
*   Very good expertise in C/C++ Programming & Oracle Pro C*/C++
*   Very strong on object oriented concepts
*   Very good expertise on writing Makefiles for compiling Large UNIX Projects
*   Very strong knowledge on data structures like Arrays, Linked Lists, Queues, Trees, and Graphs etc.

Domain Expertise

*   Knowledge on EFT switch, Interchange (VISA, Master), DCMS (Debit Card Management Software) & Reconciliation Software
*   Knowledge on PADSS life cycle
*   Knowledge in working Mastercard and Visa Certification for ATM acquiring, POS acquiring, Card issuance
*   Knowledge in working of MTIP Mastercard certification for NCR ATM.
*   knowledge on ISO8583 (Bitmaps, BCD, ASCII, Binary) NDC+, JSON and XML message Formats
*   knowledge on Safenet HSM (Host Security Module) for Key Generation, PIN Generation/Verification, CVV Generation/Verification, ARQC Generation & Verification
*   Integrated the 3DES and SHA2 (Secured Hashing Algorithm) algorithm in the EFT switch through software for PADSS (Payment Application Data Security Std.) compliance
*   Knowledge on ATM state tables, ATM Key management, POS Key management, EMV Authorization (ARQC Verification & ARPC Generation), VISA SMS & BASE I formats, MDS (MasterCard Debit System) & MAS (MasterCard Authorization System), Debit Card Authorization Cycle, Transaction Routing etc.

Development

*   Developed Module for EFT switch Chargeback to post chargeback transaction to Visa
*   Developed module for EFT switch Agent commission posting which automatically post commission amount earned by the agent at end of month.
*   Developed module for EFT switch Cash deposit for CDM to deposit cash.
*   Developed module for EFT switch to send OTP to customer register mobile number by using C++ curl library.
*   Developed POS application for Agency Banking integrated with switch.
*   Developed POS application for fuel system integrated with switch.
*   Incorporated PADSS (Payment Application Data Security Standard) Certification for our EFT switch (CRONOS Enterprise) and got it certified from PCI (Payment Card Industry) Council.
*   Support and Testing for EFT switch ATM, POS, VISA, MASTERCARD etc.
*   Developed Python script to extract commit review comment data from GitHub using RESTAPI calls and stored data in MYSQL DB

Acumen Innovation as Software Developer
Apr 2016 to Jun 2019

CRONOS EFT SWITCH
CRONOS a high performance credit and debit processing EFT [Electronic Fund Transfer] switch capable of authorizing & routing any financial transaction based on the pre-defined rules/configuration. CRONOS can support a wide variety of platforms and configurations tailored to meet client, site specific and hardware requirements. CRONOS has the capability to drive any SST's like ATM, POS. External Interface is provided through Std. ISO8583. CRONOS is designed to handle the complex flow of acquirer & issuer transactions within as well as across different financial institutions in a very flexible/configurable way, hence providing exact solution tailored to meet the client requirement.
Technology: C++ & deployed on RHEL
Role: Developer & Unit Tester
Current Status: Running successfully in almost 3 financial institutions.
HUDUMA LIFEAPP
Huduma life app is wallet system. Used by various bank in Kenya (DTB, KCB, EQUITY etc.) issued prepaid card. Customer can bring money into their wallet through channels like MOBILE APP(Android, IOS),USSD communicate with server which is integrated with interface (xinfotech). where this interface have communication to all the banks which issued huduma prepaid card. Huduma life app has services like balance inquiry, mini-statement, card to wallet , wallet to card, send money through social media, bill payment like (electric city, dist tv etc).

Technology: C++ & deployed on RHEL, HTTPS format, XML format, JSON parser format, ISO format. CURL programming.
Role: Developer & Unit Tester

ORYX FUEL SYSTEM

Fuel Management System is designed for customer to make a payment easily on petrol station using issued prepaid card. Purchasing a product from the station. Fuel Management System having features like Setting up the price based on the demand of product. Rewarding points to customer for each and every transaction done using card and redeem them for shopping.
Technology: Developed on C++ & deployed on RHEL
Role: Developer & Unit Tester
Current Status: The System is currently used by over 40,000 Cardholders in Kenya under Kenol Kobil a leading Oil marketer in the Region and Oryx Customers in the 3 East African Countries.
POS APPLICATION

*   AGENCY BANKING:
Agency Baking provide on behalf services of the bank. This will provide the opportunity to access financial products and services at a location nearest to the customer, thus breaking down certain barriers to financial inclusion such as cost and accessibility. Activities that the agency can engage are determined by the contracting bank after assessment of the applying entity. services like balance inquiry, mini statement, cash withdrawal, cash deposit(card and cardless),pin change, card activation, mobile to-pup and provided with user management integrated with switch.

Technology: Developed on C & deployed in castles pos
Role: Developer & Unit Tester
Current Status: Running successfully in almost 3 financial institutions connecting almost 2000+ POS machine.

*　　POS ACQUIRING
Acquiring bank that processes credit or debit card payments on behalf of a merchant. The acquirer allows merchants to accept card payments from the card-issuing banks within an association like Visa, MasterCard etc. The acquiring bank enters into a contract with a merchant and offers it a merchant account. This arrangement provides the merchant with a line of credit. Under the agreement, the acquiring bank exchanges funds with issuing banks on behalf of the merchant and pays the merchant for its daily payment. The application support the card holder to do a transaction without pin based on the CVM result in chip card and service code in magstrip card. Customer can also cancel or reverse their transaction by refund transaction which is0 return of funds to the consumer, voluntarily initiated by the merchant.

Education

UG: **B.Tech/B.E. (Mechanical)** from **vels university, chennai** in **2016**

IT Skills

Skill Name	Version	Last Used	Experience
Unit Testing, Unix, Oracle, C, C++			
JSON , xml			
Socket Programming			

Languages Known

Language	Proficiency	Read	Write	Speak
English				
Tamil				
Telugu				

Affirmative Action

Physically Challenged: No

Work Authorization

Job Type: Permanent / Temporary

Employment Status: Full Time, Part Time