

HARIS ALI SHAH

Principal Software Engineer

PROFILE – ABOUT ME

Principal Software Engineer; with 7 years of Banking domain experience as a Product Implementation and Deployment, written in C/C++. Fully knowledgeable in Electronic Funds Transfer (EFT), Payment Gateway (Master Card, VISA, 1LINK etc.), different Security Modules (such as HSM), Switches etc.

Skilled in Client dealing and requirement gathering in a very comfortable environment.

Excellent written and oral communication skills; capable of explaining complex terms in easy-to-understand terms.

CONTACT

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EDUCATION

Bachelors in Computer Science (BSCS)
Punjab University @ Lahore, Pakistan
2010 – 2014
Cgpa: 3.19 / 4.0

Specialties:

- Software Development
- Analytical & Problem Solving
- Customer Interaction
- Team management

WORK EXPERIENCE

Principal Software Engineer - C++ (2014 - On Going)
Avanza Solutions, Lahore Pakistan
(www.avanzasolutions.com)

Responsibilities:

Currently working in EFT (Electronic Funds Transfer) department as a senior developer, in which I have got a chance to experience core products in which “Middleware” and “ATM Controller” are famous products, running in major banks. Further, I also worked in deployment team, in which major task was to visit client site, make interaction with clients and make deployment; after approval from different phases (SIT, UAT & LIVE).

ACHIEVMENTS:

Following is the list of projects done so far:

Union Pay International (UPI), CHINA:

Made integration with UPI to make online purchases, POS Purchase, Mobile QR Scan etc. Transactions are processed in JSON format and forward to relevant Bank Host to Credit/Debit Customer's Account. Middleware was handling all kinds of Routing, QR generation by calling different Web APIs, verification etc.

ABU DHABI Commercial Bank (ADCB), Dubai:

Visited client site, integrated their CCDM (Cheque & Cash Deposit Machine) with Controller and Middleware application. Software integration was done with NCR team, due to which I have sound knowledge of NCR application as well.

UAEExchange Dubai:

Visited client site and worked on CCDM controller, its main functionality was to receive transactions from NCR machines and forward to Bank's Middleware after converting into specific format.

Bank of Bahrain AL Kuwait (BBK), Bahrain:

Travelled to Bahrain site and worked on Middle ware to make it compliance with PADSS.

ABBank Bangladesh:

Upgraded their existing system to PADSS compliance. In which different channels were involved having different formats like ISO8583, TCP/IP and Web Services.

National Rural Support Program (NRSP), Pakistan:

Make integration with different channels which includes ATM, POS, Internet Banking, Teller App, 1LINK. Here Middleware was responsible to communicate with all channels, received transactions and route them to Bank Host. Further, HSM was also the part of integration for PIN generation and verification purpose.

Virtual Remittance Gateway (VRG):

VRG is a mobile financial services platform for digital banking & financial inclusion. Here middleware is acting like a switch and routing transaction within different banks performed from mobile app. Transaction include Funds Transfer.

Dubai Islamic Bank (DIB):

Upgraded services to PADSS compliance.

Apart from this, also worked on different modules.

- EMV (Europay, MasterCard, and Visa) cards enabled on different channels like ATM, POS.

- JCB (Japan Credit Bureau) cards integration
- HSM (Thales & Safenet). Having good command on HSM commands, PIN encryption/decryption mechanism, key management etc.
- Having sound knowledge of NCR & Diebold (ATM Vendors) machines. It includes their software, hardware, architecture, Commands, Screen flows etc.

INTERNSHIP (6 Months) 2014 May – 2014 October
TBox Solutions, Lahore Pakistan

Worked on different freelancing projects on different technologies:

PHP – CodeIgniter

MVC Framework

TEACHER ASSISTANT – OPERATING SYSTEM (OS)
Punjab University @ Lahore, Pakistan

Conducted labs of Operating system during graduation degree, provided few basic lectures on different topics like: Process, Threads, Deadlocks, Scheduling etc.

SKILLS

Development

- C++ 11, 14
- XML formats
- JSON
- Restful services in .net
- Soap Web Services
- TCP/IP (ISO8583 formats)

Database

- SQL Server
- Oracle

VCS Tools

- SVN
- CVS

Domain

- HSM (Thales & Safenet)
- ISO 8583 format

- EMV Cards
- Magstripe Cards
- CUP (*China Union Pay*) Cards Integration
- JCB (*Japan Credit Bureau*) Integration
- PADSS Compliance products
- ATM Controller
- NCR ATMs (on NDC Protocol)
- Diebold & Wincor ATMs (DDC Protocol)
- Acquiring / Issuing Cards

Looking for:

Looking forward to work with an organization where I can utilize my efforts and relevant experience in a useful way both for that company and for myself.