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Fady Tony Aro
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My aim is to enhance my experience and develop my career in the field of Banking, Payment Solutions & Software Engineering

Work

2016 Nov - Today

SoftManagement, E-Banking

Credit Libanais

HeadQuarter, Adlieh - Beirut

Cards & Business Department

Systems Development, Architecture and Support Engineer for Inhouse and outsourced payment solution systems: Issuing & Acquiring, Merchants & Terminal management systems, Cards Management, Instalments, Inventory, Entitlement, Reporting, Notifications and SMS...

2014 Jul - 2016 Oct

Cards & Payment Consultant, Solutions Engineer

EMCREY offshore

Dbayeh & GCC

Banking & Payment Solutions

On site in Saudi Arabia between Riyadh and Jeddah on different projects with the following Banking Clients:

NCB, ANB, Riyad Bank, GIB, SADAD, SAMBA, BSF and Al RAJHI Bank.

My work covered Development, Design and Support for projects deliveries and support for Card Management Systems, Issuance & Acquiring systems, Online Payment, Reconciliation, Payment, Settlement and Clearing.

Technical details and topics:

- SOAP Web Services Development, Java JEE, Spring WS, Spring Framework, Hibernate, Integration with Core Banking, IST, Sybase, MQ, MDB, JMS queues, synchronization processes. Worked on prepaid projects, card renewal, instant card issuance.
- Databases: ORACLE DB, SQL Server
- Service Oriented Architecture SOA: development, design and administration for Oracle Tuxedo Backend Services on Linux - Solaris OS using C, Pro-C. Interaction with Middleware, Message-Broker, MQ.
- Reports design and generation using Jasper Reports & Crystal report.
- WebApps deployment, setup and administration on app servers Websphere, Tomcat, Weblogic.
- Web GUI and frontend for the Card Management System and Security Management GUI [Users and Roles Entitlement] using MVC Spring, JSP, JS, ExtJs, with CAS authentication Multi-LDAP for session management, ticketing and login. Services and Processes development for SOLARIS OS, E.g for bulk processing, encryption services [HSM], Transaction Routing, Authorization, Offline Limits Processing, batches processing, daily reports generation. Cards tracking and inventory, instant issuance, interaction with external systems and printers.

Education

2013 2014

Lebanese University, Ecole Doctorale, Tripoli, Lebanon

Research Master M2 TSIC, Advanced Telecommunication Networks

2009 2014

Lebanese University, Faculty of Engineering, Tripoli, Lebanon

Electrical department - Electronics, Computer and Communications

2004 2012

National Conservatory of Arts and Music, Tripoli, Lebanon

Piano Grade 8

1994 2009

Ecoles des Pères Carmes, Mejdlaya, Lebanon

Baccalaureate in General Sciences studies

Experience - Internships

- | | | |
|------|-----------|--|
| 2014 | | CNF , Tripoli, Lebanon
Android development teaching and training courses |
| 2012 | 2014 | Antonines University , Zgharta, Lebanon
Music department, part time piano teacher |
| 2013 | Aug - Sep | Beirut-Raffic Hariri International Airport , Beirut, Lebanon
Electronic theoretical internship covering: <ul style="list-style-type: none">• Radar, Instrument Landing Systems ILS• Doppler VHF Omnidirectional Range DVOR• Distance Measuring Equipment DME• Voice and data recordings systems VCS |
| 2013 | July | IDM , Jisr El Bacha, Lebanon
Internship at the Network Operation Center at GDS: <ul style="list-style-type: none">• Network administration and routing• Implementation of Microwaves Links and BTS• Technical support team |
| 2012 | August | FiberWaves , Jounieh, Lebanon
Intern at the technical support department covering installation, programming and maintenance of: <ul style="list-style-type: none">• DTH satellite systems• Fiber optics & Network cable distributions• Digital and Analogue CATV Headend |

Accomplishments



Pendulum Watch Face - Android Wear

Android Wear Pendulum Watch

Tool that turns android device into a remote mouse desktop controlled by hand tilts and rotations.



OnTheWay

Mobile Application for Android on Google Play Published

Application For Real Time Location Sharing and Monitoring.



Air Mouse

Mobile Application for Android on Google Play Published

Turns your android device into a remote mouse desktop controlled by hand gestures, tilts and rotations.



OCR Demo

Mobile Application for Android on Google Play

A demonstration - demo related to tesseract integration api for Optical Character Recognition.



WhatsAppMe

Mobile Application for Android on Google Play Published

Social category, 50,000+ Downloads [Published on Sep. 2013, Unpublished in Feb. 2014]



Award LIONS club: Best piano player of a Lebanese composer [Georges Baz]

Skills

Hardware and Software:

- NI LabView, ORCAD, VHDL, FEKO
- MatLab, Wolfram Mathematica
- Circuitry and electronics, PIC, FPGA, Arduino boards : Uno, Xbee, Wifly
- Sensors, Digital processing, filtering [Android devices hardware/software sensors: gyroscope, acceleration, magnetometer...]
- Bluetooth SMART LE, Android Device and Polar Heart Rate H7 sensor communication...

Programming and Development:

- Assembly, C-[Unix, Solaris], Oracle - BEA Tuxedo, C++
- Java, Spring Framework, CAS, Android, Swing, JAX WS, RMI Web Services,
- C# .Net [Windows Forms, WPF - XAML, Xamarin Android, WCF Web Services, Asp]
- Protege, Semantics, Web Ontology - OWL
- ORACLE DB, SQL Server DB, NoSQL: MongoDB
- Html, CSS, JavaScript, TypeScript
- FreeMarker

Networking and Technologies:

- HSM, Security modules/protocols, Symmetric/Asymmetric Encryptions, MAC, Keys Exchange...
- CCNA, network routing, IPv4, IPv6...
- WiFi - Ethernet - Switching
- TCP, UDP, Sockets [Java, .NET, C]
- HTTP, HTTPS, CoAP...
- NFC [Android]
- Bluetooth Protocol, Bluetooth Low Energy SMART

Other



F.Aro on CodeProject

For those who code

Platinum Privilege Author



On Google Play Store

Published android applications



Languages

Fluent **English & French**, Native **Arabic**