

SADIA GHANI MALIK

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Team player software engineer, having 5 years of experience in developing robust code for financial businesses that includes back-end services (.Net C#, Dotnet Core), mobile apps (Android/Hybrid), POS applications (Android, C) and web applications (ASP.Net).

EXPERIENCE

JULY, 2019 – PRESENT

SENIOR SOFTWARE ENGINEER, WEMSOL PVT (LTD.)

- Develop software design and architecture.
- Improving system architectures for best solutions implementations.
- Designing database architecture and documenting changes and impacts.
- Work closely with team leads and managers to achieve goals.
- Collaborate with internal team to brainstorm and create new products.
- Review and debug code

MARCH, 2016 – JUNE, 2019

SOFTWARE DEVELOPER, WEMSOL PVT (LTD.)

- Develop software solutions by studying information needs; studying systems flow, work processes; investigating problem areas; following the software development life-cycle.
- Improving system architectures for best solutions implementations.
- Designing database architecture and documenting changes and impacts.
- Work closely with team leads and managers to achieve goals.
- Collaborate with team to brainstorm and create new products.
- Research and implement the optimization and tuning of high-cost SQL Queries.
- Debugging and fixing potential issues and system vulnerabilities.

EDUCATION

JANUARY, 2012 - DECEMBER, 2015

BACHELORS OF SCIENCE IN COMPUTER ENGINEERING, SIR SYED UET, KARACHI

- Merit-based scholarships in each semester for holding positions in each semester.
- On securing first position in Computer Engineering department (**CGPA 3.89**), awarded with:
 - Gold medal from Sir Syed University of Engineering and Technology
 - Gold medal from The Institute of Engineers, Pakistan (IEP)

TECHNICAL SKILLS

- C#
- Java
- MS SQL
- WCF
- REST Services
- Web service
- Micro services
- Socket Server
- T-SQL
- Windows Services
- Sonar Qube
- New Relic
- OOP
- Layered Architecture
- XSD, XSLT
- TFS
- Gitlab
- Postman
- Dotnet Core
- C language

PROJECTS

2020 - PRESENT

POS ACQUIRING, (ANDROID, C)

Acquiring system for debit and credit transactions on 8210, 8110, 9220 devices.

MAIN FEATURES AND INTEGRATIONS

ASSOCIATIONS

- PayPak
- UnionPay
- MasterCard
- Visa

SERVICE PROVIDER

- Euronet
- 1Link

2020 - PRESENT

KEENU LOYALTY, (ANDROID, C)

Provided loyalty programs for merchants on 8210, 8110, 9220 devices.

MAIN FEATURES AND INTEGRATIONS

FEATURES

- Sale
- Redemption
- Balance Inquiry
- Settlement

2017 - 2020

KEENU WALLET, (.NET, IONIC)

E-Wallet system that enables users to perform their transactions via wallet such as; Add Money, Funds Transfer, Bill Payments, Scan N Pay, Retail/NFC Payments, Online Payments, Buy Insurance, Buy Tickets.

MAIN FEATURES AND INTEGRATIONS

FEATURES

- Cash Deposits / Bank Transfer
- Biometric

INTEGRATION

- : Bank AL Habib / Meezan bank
- : Bank AL Habib / Nadra / Meezan bank

- Debit Credit : HBL Cybersource, UPOP
- Buy Tickets : Easy Tickets
- Buy Insurance : Smart Choice
- Retail NFC / Card Linking : Vaulsys
- 1 Bill Topup : 1 Link, Kuick Pay
- Push Notifications : One Signal
- Book a Ride : Uber
- Sms/Email Alerts : EOcean
- Add Money : 1Bill, KuickPay

OTHER FEATURES

- Scan N Pay implemented by scanning Merchant's Static / Dynamic QR Codes.
- Telco's, Vouchers, Utility Bills, Donations are implemented by using Bill Payment System.
- Transactional Rewards and Alerts implemented by using Windows Services.
- Module specific automations implemented by SQL Jobs and Windows Services.
- Socket server implemented for performing retail payments.

2019 - 2020

FRAUD MONITORING SYSTEM, (.NET)

Real-time transactions pushed by Euronet, PayPak, Vaulsys are monitored by banks in batch wise order.

MAIN FEATURES

- Insert Transaction Service exposed to Euronet, Vaulsys and PayPak.
- Data monitoring services exposed to Bank Al Habib.

2018 - 2020

BILL PAYMENT SYSTEM, (.NET)

Telco's, Vouchers, Bill payments and Donation implemented by integrating Nadra, Novatti, 1Link services.

2016 - 2017

SCAN N PAY MOBILE APPLICATION, (ANDROID / .NET)

In-store payments made via scanning merchant's static / dynamic QR codes. Payments made via fingerprint verification or via Passcode by Keenu Wallet.

2016 – 2017 - BUGS FIXES ONLY

ASKARI MOBILE APPLICATION, (.NET / ANDROID)

User-friendly mobile app allows user to access Askari bank account(s).

CERTIFICATIONS

- Android Application held in AMI Apex, **January, 2015 – May, 2015**
- .Net held in Sir Syed University of Engineering and Technology, **February, 2014 – April, 2014**
- Html5 held in Sir Syed University of Engineering and Technology, **May, 2013 – September, 2013**