PAPA M. JEREMIAH

Software Engineer – Cloud / Microservices

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PROFESSIONAL SUMMARY:

Software engineer with a strong background in object oriented principles and design, believer in pragmatic solutions, self-documenting code, best practices and code reviews.

I have a demonstrated history of working in the computer software industry, Skilled SQL and Oracle Databases, Linux, Windows Server, Office365, Banking operations, Core Banking Systems, Customer support and training, Project Management.

EDUCATION:

2014-2018**: Egerton University**
Bachelor of Science in Computer Science

CERTIFICATIONS

Microsoft Certified Azure Associate Developer -

COMMERCIAL PROJECTS:

1. Automated Cheque Truncation System for Payments, Clearing and Settlement
2. Trade Finance
3. Internet Banking

SOFTWARE SKILLS:

1) 2+ years of professional experience in analysis, design, testing and implementing Object Oriented Programming Concepts, Microservices Oriented Architecture, Client-Server applications, N-tier applications.

2) Hands on experience working with Advanced Message Queuing Protocol (Rabbit MQ) for inter-process communication between microservices

3) Proficient in SQL, PL/SQL programming. RDBMS experience includes working with various databases such as Oracle, Sql-Server, My Sql and coding stored procedures ,triggers,views along with performance tuning .

4) Hands on experience in TDD practices and writing unit tests using XUnit and NUnit and application level logging configuration using serilog.

5) Worked extensively with Service Discovery managers such as Consul for microservices registry management.

6) Hands on Experience in working with API gateways (Ocelot , Eureka ,Nginx) for Load Balancing, rate limiting, client request routing, composition and protocol translation.

7) Hands on experience with IdentityServer4 ,OAuth2 and OpenId Connect Authentication and Identity management.

8) Experience with ASP.NET Core, LINQ, Entity Framework Core

9) Experience with TFS, GIT collaboration platform for upgrading applications

10) Exceptional knowledge on Object Oriented Programming concepts including multithreading, Collections and Exception Handling.

11) Solid understanding of OOPs concepts, Dependency Injection (DI) and SOLID principles concepts and used these concepts to write testable and maintainable code.

12) Well versed in interacting with clients

WORK EXPERIENCE

2018 July to Date : Full Time
Software Engineer-**Fintech Group Limited**

Solutions
A. Automated Cheque Truncation System for Payments, Clearing and Settlement

Client: Citi Bank ,Prime Bank, Bank Of India, NCBA, Gt Bank, Tropical Bank(Uganda), DFCU(Uganda)

-ATM Integrations with third party Atm Vendors
-Cheque Scanner Integrations with client Application (Smart Source Series, Ls150 Series, Panini Series,Canon series etc)
- Team lead in charge of code reviews and providing guidance to other engineers in charge of developing Chequepoint Version 5 Upgrade in regards to Domain Driven Design, Microservice Architecture design, coding standards and architectural implementations
- Tasked with creating a new technical roadmap for future development and technology assessment on Transaction Based Clearing Solution.
-Extensively involved in developing components for Business Logic and Data tier using C# 8
-Worked on TFS for version control, Code Review for automated builds and continuous integration (CI/CD)
- Performing Unit testing using NUnit, Integration Testing, Performance Testing and System testing
- Developed and designed the database using Oracle DataBase

B. Agency Banking
Developed a new product-Agency banking over a period of seven months.
1. Providing guidance to other engineers in charge of developing agency banking in regards to OOP, best practices, coding standards and architectural implementations.
2. Technical demo presentations with clients.
3. Extensively involved in developing components for Business Logic and Data tier using C# and ADO.NET
4. Performing Unit testing using X Unit Testing ,Integration Testing, Performance Testing and System testing
5. Developed and designed the database using SQL 2016
6. Core Banking integrations with Banks and Saccos for handling Cash deposits, Cash Withdrawals, Mini statements, Funds Transfers, Loan Repayment and Processing, Account Opening, Card applications and cheque book applications.
7. Implemented automated builds and continuous integration processing using GIT and TFS

C. TradePawa
Over 5 months Period, I led the development team in developing a new product, TradePawa that facilitates quick automated bond processing in the Trade Finance Sector.

1. Created event driven micro services architecture and Rabbit Mq for Messaging communication
2. Nginx gateway and Identity server4 for security management.
3. Integrations with Kenswitch for Payments.
4. Integrations with IPRS for national ID verifications prior to individual registration.
5. Integrations with Credit Reference Bureau (Credit Info). CRB checks for companies to check on credit risks and scores.

May 2018- to July 2018: **Fintech Group Kenya**

Intern/Probation

CHEQUE POINT MOBILE

Is a mobile based cheque capturing system android mobile app that interfaces with Cheque Point to allow clients capture and send physical cheque images to the bank for further processing

1. Developed the WEB API in C# . NET CORE and EF Core.

DUTIES:

-Implementation of new systems, upgrades or patches.
-API development for new projects
-First level system support for user problems and clarifications on system functionalities.
-Systems development and modifications
-Documentation of system errors and bugs
-Working with clients to update test scripts
-Facilitate User Acceptance Tests
-Facilitate User Training
-Provide clients post implementation support
-Provide live support coverage at customers site
-Address customer issues and obtain client sign-offs to validate satisfaction with new system
-Code review including but not limited to; software code management, implementation of collaborative software development and review and upgrade of old applications

Languages
Java, C# (8, 7,6) & .NET Core, SQL

Frameworks
Microsoft entity framework Core, .NET framework

Architectural Designs
Microservice-Based design, Client-Server(2-tier, 3-tier ,n-tier), Event Driven
Platforms
Windows, Linux, Microsoft Azure

Storage
 MySQl, SQL,Oracle Database,Mongo Db, Microsoft Azure cloud

Tools
Microsoft Visual Studio, NetBeans IDE, IntelliJ, Git, Tfs
REFEREES:

1. Eng.Omollo Derrick

Product Manager-Fintech Group Kenya

Tel: 0715812661

2. Eng.Gilbert Ogwa C.E.O

Spectre Data Services

Ericsson-Africa, Lead Service Delivery

Manager Tel:+1(514) 246-4056

3.Ing.,Dr.Wilfred Gikaru

Overall project Coordinator Egerton University Computer Science

department Tel: 0723620899