***BACKGROUND***

Name : SYED AL FAZIM

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***SUMMARY***

A year of Experienced in Software Engineering field willing to work in the related field of major in order to expand my knowledge in an infinity field of Software Engineering while helping the organization in achieving their goals.

***WORK EXPERIENCE***

***March 20 –Present EC NET SDN BHD (Client at Maybank)***

Job Description: Software Engineering (Senior JAVA Developer).

Job Scope: Analysis, development, testing, packaging, publishing.

Salary Details: RM 90,000 p.a., RM 7,500 Basic, RM 6299 net salary

Responsibility: -

* ***Maintaining old Legacy system using JAVA GUI 1.3. BDS for core-banking application.***
* ***This apps is all about internal banking system which uses GUI-based application.***
* ***The apps start with user login, then the main screen has a lot of nodes. Each node contains sub nodes. For example, under “teller system”, there are “loans”, functional maintenance, application maintenance, and etc. as sub nodes.***
* ***When the user (bank officer) click on the nodes, there will be GUI pop-up prompted accordingly. Then the user has to perform tasks. Each tasks usually starts by functional buttons along with user input by the end-user as request components. After taking the user input, the system will send to the host for verification and response. The response then will be prompted back to user.***
* ***Creation of E-invoice system. This system will take data from the host under scheduling time as developed, then generate E-invoice automatically and send to customer’s email. Spring technology have been used.***

***March 19 –March 20 Optimum Info Solution SDN BHD (Client At UOB Bank)***

Job Description: Software Engineering (Senior JAVA Developer).

Job Scope: Analysis, development, testing, packaging, publishing.

Salary Details: RM 66,000 p.a., RM 5,500 Basic, RM 4319 net salary

Responsibility: -

* Rest services using Spring, Camel, and MySQL technology.
* Back-end support for TMRW Apps for UOB Bank. Request comes from the front end (Android using Kotlyn) will be gathered, filtered, added with some encryption, and sent to host for handling and response.
* Camel Exchanger components were used to exchange messages between back-end layers.
* End-user will usually click on the apps to perform transaction. Transaction can loans, inquiry, Applications, print statement, and views. Each transactions are performed accordingly by taking request from the user and send to host and getting response from the host and send back to user or client.
* This TMRW apps works as following way; (1) When the user login to TMRW apps, his username and password will be verified with JWT management. After JWT verified, user table Database will be called to verify along with the device used by user (device ID) to prevent from multiple device login. This is so because whilst perform registration, the device of the user will also be registered in the DB.
* After successfully verified both user credentials and device id, the user will be prompted to main page or home page by displaying the Account Summary.
* After viewing the account summary, user can perform any tasks he wishes. Each tasks performed by the user will be fetched from the back end and send to its host for response. For example, to apply for loan, there will be one HOST which handles the request and send back response regarding the details of the loan.

***Jun 17 – March19 DJava Factory SDN BHD***

Job Description: Software Engineering (JAVA Developer).

Job Scope: Analysis, development, testing, packaging, publishing.

Salary Details: RM 42,000 p.a., RM 3,500 Basic, RM 3090 net salary

Responsibility: -

* ***Creating Shipment E-commerce Apps using micro services.***
* ***The module contains five sub services called warehouse, order, shipment, pickup, and delivery with one parent to feign all other sub services.***
* ***J-Hipster have been used as it’s an application that provides default gateway.***
* ***The service is about the user will buy from the warehouse, then click on buy and after payment has been completed, the update process will happen on warehouse service, then shipment service will begin to make pickup schedule and delivery schedule. Message queuing have been used to overcome heavy traffic, data loss, communication loss and of course to control over resilience.***
* ***The module starts with Angular js as part of front end UI, the back-end services are completely covered by Java Spring ( using micro-services management)***
* ***When the user click on buy, the user will be prompted towards confirmation gateway, then proceed to payment gateway, once the payment have been successful, all of that is configured and developed in order service. It’s one of the service out of all other sub services. Then the warehouse will be updated with stock availability and its quantity. Here Message queuing is used and “warehouse” is another sub service. Let’s say if the warehouse service is down, then the stock updates by system will either not be updated or unexpected error might be thrown within system which wouldn’t be noticed by admin whilst run time occurring. Therefore, micro-service is used here to control that, meaning that once the user paid, the data and details regarding it will be stored in the producer side of the message queue. When the consumer is ready (warehouse) then the consumer will make use of it to update the stock.***
* ***After the warehouse manages update process, the shipment service will be triggered then the pickup service then the delivery service. All these services have been developed with Message queue in the middle to overcome communication lost during service off-time or maintenance. Each sub service is being configured by one parent class using feign-config method which would extend the accessibility of one sub class to another explicitly without having to initialize over and over.***

***Jun 17 –Nov 17 Tentacle SDN BHD – Client Side Experian SDN BHD (Contract)***

Job Description: Software Engineering (JAVA Developer).

Job Scope: Analysis, development, testing, packaging, publishing.

Salary Details: RM 26,400 p.a., RM 3,000 Basic, RM 2600 net salary

Responsibility: -

* This job is mainly about making connections between data links.
* The main responsibility is to create an interface pack that consists of logical request layout, Logical response layout, request template, and physical response layout along with Error Access Management creation to provide error details regarding deployment.
* The process of the job is about receiving the requirement and documentation from the client side.
* Once reviewed all and verified to be of clear information about the requirement, the development stage begins with XSD creation.
* There are two XSD’s namely; (i) Request.xsd and (ii) Response.xsd. Request.XSD is a mark-up like language in XSD format that consists of all data models tag elements along with its values and attributes that need to be sent to the credit-bureau.
* While Response.XSD is the format of how the response should look like once returned from the credit-bureau after sending request.
* The two XSD files will be used to create Logical request layout, Logical request template both will be converted from the Request.XSD using special conversion tool called XSD-to-XML tool and Logical response Layout and Physical Response Layout from Response.XSD using the same tool.
* Once all four files are created, we can create an interface pack using the organization-based system that we need to put all those files and modify the URL, the path and Groovy Script to satisfy requirement.
* The interface Pack consists of HTTP request URL, method, Groovy Script to convert parse response into raw and vice versa, template, and etc. and once interface.
* Groovy Script is needed here because credit-bureau can only accept raw request and only raw response will be sent, here we need groovy to make conversion. Another need of groovy is for information hiding purpose.
* We need to hide the credential value upon sending our request, therefore such values will be sent to some safe places called “config-service” and here we store our credential values and retrieve it whilst sending request.
* Once the Interface pack is created we need to deploy the solution and run it locally on our local host using connectivity, IPTH (interface pack test harness) and Data Source Simulator (instead of Credit-bureau as we are testing locally). We use SOAPUI to send request.
* From the logical request layout that we created earlier, we create a mapping files using xml-to-mapping tools.
* Once we created mapping files for SOAPUI, we need to setup the IPTH as IPTH contains settings for our connectivity to make connections between connectivity, error control management in the interface pack and SOAPUI mapping.
* Once the IPTH is successfully setup, we need to setup our connectivity settings. Both IPTH and Connectivity along with Data Source Simulator are nothing but an application downloaded from the company sites for setting purposes.
* After that we need to create test case in the Data Source Simulator for both successful response and failure response.
* We connect our Data Source Simulator in the interface pack we need to specify its path upon development. Once we successfully setup up everything, we are ready to test.
* Once the successful response returned. We test it using docker to make our data links to be globally connected from all around the world possible.
* Once we successfully run in the docker, we need to test it again in the Open Shift Environment using single service that we test on our local machine and main service that we store our solution files ( interface pack and Error control management files) somewhere else along with credentials value path and its key ( if needed) to make testing locally.
* Once successful, we need to merge it into main Open shift and update using bit bucket. Once updated, it can be used globally.

***March 16– JUN 17 Aleph Labs***

Job Description: Android Developer, Front-End Developer

Job Scope: Developing website front page along with its UI/UX design using HTML, CSS, JavaScript (Reacts) to make functional requirement satisfies its need. CIMB barcode Scanner project

Salary Details: RM 26,400 p.a., RM 2,500 Basic, RM 2,200 net salary

***Responsibility: -***

Responsibility:-

* Creating HTML page using Reacts JS, Word press (depends on the project), HTML (Basic HTML Codes like block elements and other elements applied in the React JS), CSS (Mainly Bootstrap) has been used.
* I had worked on two main major projects such that “Standard Chartered and DIGI Back office Portal”. For Standard Chartered, HTML has been used for word press along with CSS and templates that can be re-used over and over again for many other pages with slight modification.
* For DIGI Back Office Portal, mainly React JS were used to create page, components, service request and service response from the server side. CIMB Barcode Scanner projects were done.
* This project is about reading the values of barcode of the items selling and split the values by its parameter length that is uniquely lengthened, and store each parameters into its respective value.
* This is done by using Object-Oriented Method and once the values are stored, it will be sent to Bank using HTTP request and response method.

***March 2014 – Present Freelance job Online***

Job Description: Tuition Center Management Apps (Android)

Job Scope: Tuition Center Management

Responsibility: -

* Creating Login pages for Multiple Users; (1) Teacher, (2) Student, (3) Staff, (4) Parents.
* Navigation to homepage of each respective user.
* Creation of view timetable, make payment, add class, drop class, discussion board and upload payment slip using Java, PHP and SQL. Logout functions.
* Integrate with phpmyAdmin for models (Storage, PHP for integration between Java and SQL, and Java for Controller and view. Java Project for Android Apps mainly building up API connection using HTTP POST request by taking up parameters and parse it into JSON Format ( Sometimes encryption used along with session token), Then Make HTTP request, read response from JSON and convert to Java .
* This is about Bank Api in which it makes connection from front end page to merchant page to bank for authorization and from returned parameters to merchant page to front end back.
* QR Payment API for CIMB Wallet (currently in progress of finishing it). OCBC Bank API connection (Working with Iapps Asia Singapore).

***March 2015 – June 2015 Training Student at IAPPS ASIA PTE. LTD***

Job Description: Developing Bank integration API

Job Scope: Integrating Merchant website to Bank for Payment Request

Salary Details: RM 1,500 Basic (Given in Singapore Dollar), RM 1,500 net salary (Given in Singapore Dollar)

Responsibility: -

* Developing Bank API integration using PHP Languages and SQL.
* Creating front end for user payment request. Creation of programming using object oriented concepts; creation of class, encryption, payment request, and user details information hiding, and etc.
* Send authorization request to Bank. Receive Authorization request from the Bank and link to Front End (User view). Making service request using HTTP Method and receiving response in JSON Format.
* The service is basically about the User will see the selling products on the website.
* Once the user interested to buy the item of his choice, he will click the item(s) button, the item details here will be displayed to the user for his confirmation, once confirmed, the details of the Item such its amount, name, description, and etc. will be stored in a separate class (object oriented) called “user”, and that details will be retrieved by merchant class (object oriented) called “merchant”.
* In the merchant class, we add up some values that has to do with merchant like his details, his account details and etc. then both combined attributes of class ‘user’ and “merchant” will be sent to another class for encryption for information hiding purpose along with session token creation for security purposes. Once all values are encrypted using SHA encryption method, it is then send to bank URL provided for authorization.
* Once authorized, the bank will send the user directly to fill-up his credit card details and other details.
* Once the user entered his details and clicked to proceed to payment, the bank will authenticate the payment whether it is successful or failure, and return the value to merchant given URL for getting response.
* Once the response is sent, the condition will check if success of failure then will be sent to user whether his payment is successful or failure.

***December 2007 – July 2012 IT Repairing and Sales at Al Fahad ENT.***

Job Description: IT Repairing and Sales

Job Scope: Electrical repairing and Troubleshooting Hardware and Software.

Salary Details: RM 2,500 Basic.

Responsibility: -

* Checking for the problem in both software and hardware. Perform checking using multi-meter for default in components.
* Replacing components such as Integrated Circuit, Capacitor, Resistor, Diode, Transistor, and Switches to solve problem.

***EDUCATION***

Mar 2014 – Oct 2017 **B.C.S Software Engineering**

* Multimedia University (CGPA 2.90)

Related Subject/ Programming Languages Taken:

* Programming Fundamentals (C++)
* OOPDS (C++ Object Oriented)
* OOAD (Java – Object Oriented)
* Web Application Development (HTML, CSS, JavaScript, PHP)
* Database Fundamentals (MySQL, MongoDB)
* Final Year Project (Android Apps using Java, PHP, and SQL)
* Software Engineering Fundamentals
* Software Requirement Engineering
* Software Reliability and validity
* Software Evolution and Maintenance (Python)
* System Analysis and Design
* Software Design (Java and Oracle, Linux)
* Calculus
* Artificial Intelligence (LISP)

Jan 2010 – November 2012 **Diploma in Civil Engineering**

* Polytechnic Port Dickson (CGPA 3.01)

Related Subject/ Programming Languages Taken:

* Measurement
* Reinforce Steel and Design
* Contract Procedure
* Quantity Measurement
* Quality Assurance
* Construction Materials

Jan 2003 – Dec 2007 **Malaysian Secondary School Certificate**

* SMK Dato Mohd Said Nilai

Subjects Taken: -

- Bahasa Malaysia

- English

- Mathematics

- Additional Mathematics

- Physics

- Chemistry

- Islamic Study

- Tassawur Islam

- English for Science and Technology

- History

- Engineering Technology

***Awards and Honors***

January 2006 – December 2007 School Prefect

January 2004 one of the best Athlete in field Running

June 2010 Dean Award for good education achievement

***SKILLS***

**Speaking** **Language Proficiency: -**

1. Fluent in English, Malay, Tamil and basic Arabic

2. Office Word Processing knowledge

3. Hardware repairing Knowledge

4. Sales knowledge

**Programming** **Language Proficiency: -**

1. C++ (Fundamentals and Object Oriented)
2. Java (Object Oriented)
3. PHP (Object oriented)
4. HTML and CSS
5. JavaScript
6. SQL
7. Mongo DB
8. Python
9. LISP
10. JSON, J Query, XML, and Perl (Basic only)