



Muhammed Irshad

Senior Specialist, Technical Delivery at DKSH

October 24, 1989 casettemix.com Kuala Lumpur, Malaysia

Kuala Lumpur, Malaysia

[Irshux](#)

github.com/irshuLx

linkedin.com/in/irshu



Passively Interested

Open to hearing about full-time, contract positions, actively looking.



Open to remote work

Open to remote work opportunities.



Open to relocation

Open to relocating to Singapore; Bangkok, Thailand; Canada; Tokyo, Japan;

TECHNOLOGIES

Preferred technologies

[asp.net-core](#) [tdd](#) [c++11](#) [cryptography](#) [rsa-public-key-authentication](#) [jwt](#) [fix-protocol](#) [c#](#) [xunit](#) [quartz.net](#) [rabbitmq](#) [jquery](#)
[c](#) [sql-server](#) [mysql](#) [entity-framework-core](#) [dependency-injection](#) [internationalization](#) [oauth](#) [extreme-codebase-architecture](#)
[android](#) [signalr](#) [websocket](#) [active-directory](#) [openxml](#) [paypal-sandbox](#) [paypal-rest-sdk](#) [azure-appservices](#) [azure-storage](#) [java](#)
[mailkit](#) [openssl](#) [cron](#)

Non-preferred technologies

[laravel](#) [php](#)

Top Percentiles



Top 5%

[android](#)



Top 10%

[asp.net](#) [asp.net-mvc](#) [c#](#)



Top 20%

[android-studio](#) [json](#)

INTRO STATEMENT

A results-driven, customer-focused, articulate and analytical Senior Software Engineer who can think "out of the box". Strong in design and integration problem-solving skills.

Experience with scalable web applications including global payment gateways, unit testing, load balancing and high traffic web applications.

A contributor on github.com and stackoverflow.com(top 7%). Creator of casettemix.com.

My Profiles

■ LinkedIn: linkedin.com/in/irshu

■ Github: github.com/irshuLx

■ Website: casettemix.com

■ Stackoverflow: stackoverflow.com/users/1155282/irshu

EXPERIENCE



Senior Specialist, Technical Delivery

DKSH

Mar 2019 → Current (2 years, 7 months)

Received Silver award for exceptional performance in implementing DKSH JustPay payment gateway

DKSH is a Swiss Market Expansion Services Group who manufacture healthcare, home and consumer goods products. With a market cap of 3.06B CHF, As a SIX Swiss Exchange listed company, we maintain a vast number of warehouses and complex logistics across Asia and Europe. Headquartered in Zurich, DKSH employs 33,000 employees across Asia Pacific and Europe.

Technologies

asp.net-core asp.net android entity-framework c# javascript css jquery angular cryptography unit-testing ssh
openssl mailkit openxml-sdk signalr websockets jwt oauth quartz paypal-rest-sdk azure-active-directory
azure-appservices public-key-authentication cron rabbitmq

Achievements

- Worked on multiple API projects utilizing ASP.NET Core.
- Successfully delivered projects include ePOD, DKSH GO, ECM, mCollector Revamp and EEC Expense Claims. I was an integral part on handling backend API's and DevOPS. I also helped with few HTML front end tasks whenever i was free of tasks with my skills in HTML5/CSS3 and JS
- Deployed a centralized payment gateway network for DKSH that processes the payment from multiple DKSH apps across the world that requires a payment integration
- Workflow leveraged dependency injected services and repository patterns for a complete separation of concern between each modules in the applications we developed.
- Batch processing of new payment invoices via RabbitMQ messaging queue with error handling and retries.
- API's with advanced routing mechanism that restructures a rather complicated API Projects into segment area based apps that work with different authentication models.
- Payment gateway integration such as **QuicknPay(Malaysia)**, **ABABank(Cambodia)**, **HSBC(HK,SG&VN)**, **Payoo(VN)**, **Bangkok Bank(TH)** and **Paypal** into our global JustPay gateway. The integration was loosely coupled and exposed to the consumers, that you can anytime swap a provider with another without breaking any functionalities. We have more integrations down the pipeline as we continue to extend the support.
- Secured payment gateways with RSA based public key authentication.
- Worked with JTokens and Cookie based authentications.
- Reporting templates according to each countries needs utilizing OpenXML SDK with charting functionalities. These templates can be edited and hot-reloaded by any countries and their business units. We have built a library around Quartz.NET that lets each countries decide when to run the jobs according to their timezone.
- Interactive admin dashboard with customizable report exports.



Web & Android Developer

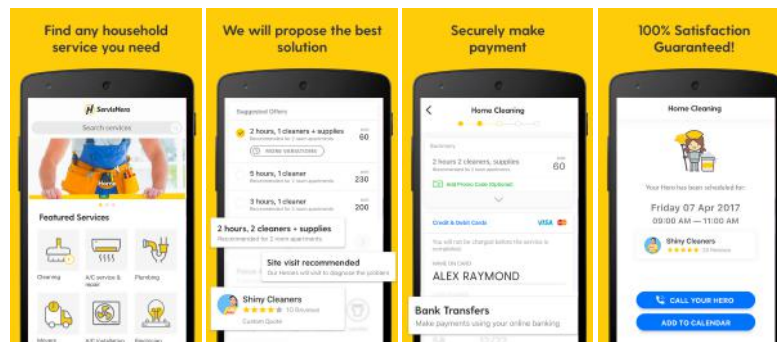
ServisHero

Sep 2016 → Feb 2019 (2 years, 6 months)

android android-studio rx-android dagger-2 asp.net-core c#

ServisHero is on a mission to improve the way local services are discovered and delivered in Southeast Asia. We not only make it easier for customers to find trusted service providers, but also provide our Heroes (service providers) with access to new customers. We are a purpose and data driven company that exists to empower local businesses through technology.

I built and was in charge of maintaining the Android apps (both Consumer and Proapp).



Responsibilities

- Migrated from ionic to native Android alone.
- Write MVP architecture for separation of concerns and testability
- Unit-testing code for robustness, including edge cases, usability, and general reliability
- Added the features such as Integrated payment via adyen, realtime chatting, seamless transition from web to mobile app via branch, analytics and heatmaps for product team to make decisions.

Achievements

- Migrated Consumer app and Proapp from Ionic to native Android
- Reached to 100,000+ installs
- Played key role in bringing direct services
- Integrated payment solution from Adyen
- Cash payments



Web and Android Technical Lead Developer

Edenred

May 2012 → Aug 2016 (4 years, 4 months)

[asp.net](#) [asp.net-mvc](#) [javascript](#) [css3](#) [asp.net-web-api](#) [angularjs](#) [entity-framework](#)

Edenred Malaysia is specialized in end-to-end close-loop payment and loyalty solutions and major clients include Petron, Petronas, AirAsia Shell, Virgin Megastore etc.

I work as the technical lead working on the Web and Mobile app solutions.

Responsibilities

- Write well designed, dynamic plug and play driven, testable, efficient and reusable code by using best software development practices and the internal frameworks we developed.
- Integrate data from various back-end services (REST and SOAP).
- Work closely with the testing team to identify any technical problems during UAT.

Achievements

- Successfully delivered 3 FleetOps platforms with a relatively small team to the clients clients, Petron Malaysia, Petron Philippines, Petronas Malaysia in 3 years.
- Developed the Consumer FleetOps App natively on Android.
- We were so good that our deliverables attracted AirAsia, the leading Airliner in Malaysia in fleet size and destinations. The development has already completed, and currently in the UAT phase.
- Developed FleetOps V3.0 using dynamic plug and play components and pushed the patch to all 3 clients. Now they can configure their own contents, and create new contents by using the visual designer.

EDUCATION



BSc(Hons) IT Intelligent Systems

Asia Pacific University College of Technology and Innovation

Oct 2010 → Apr 2011

I created a lie detection system with BackPropagation Neural Net. Underlying toolset was sendorDAQ and LabVIEW from National Instruments(NI)

RECOMMENDATIONS



Chan Fui Wong

Technology Innovation Manager at DKSH

Sept 19, 2021 • Via LinkedIn • Managed Irshad Directly

Irshad worked and reported to me as a senior fullstack developer for almost three years in DKSH CSSC. His responsibilities included applications and mobile software implementation, requirements gathering, analysis and design discussion of complex mobile/ web, and backend applications using a variety of technologies (Kotlin, Android Java, .NET, Azure Cloud and API Client Postman etc).

During the course of his employment, Irshad proved himself to be a dependable employee with solid problem solving and technical skills. I was always impressed by Irshad's ability to complete the work assigned to him on time. Irshad not only met deadlines but also explains his programs in a way that non-experts can easily understand. This skill came in handy when he represented his programs to users and stakeholders who weren't particularly tech savvy.

Irshad takes his work seriously and regularly enrolled in classes to stay abreast of the newest developments in programming. He also spent some of his spare time writing libraries and plugins and published to Github. His ongoing open-source development material work helped him to easily learn new techniques and perform complex tasks. Irshad is a fast-learner, friendly and respectful person, and mixes easily with project managers to always touch base on timeline, man-day estimation and requirements discussion.

Overall Irshad would be an asset to have on any team and I appreciate his work and contribution and happy to have him in our team.



Md Abdullah Al Noman

Specialist, Technical Delivery at DKSH

Sept 18, 2021 • Via LinkedIn • Worked with Irshad

I worked with Irshad in several highly scaling projects, he is very skilled at Mobile and Backend Applications development. Most importantly, he understands projects requirements and implements them accordingly, And maintains implementation excellence and well performance. Besides this, he is a very fast learner and up to date with modern development practices.

It's without hesitation that I recommend Irshad if you are looking for a good software engineer.



Chee Keong NG

Regional Sales Director at Edenred

July 13, 2016 • Via LinkedIn • Senior to Irshad, Managed Indirectly

I have had the privilege of working with Irshad for 4 years. I was the CEO of CardTrend and later became the BusinessDevelopment Director when we were acquired by Edenred. Through the few years that we spent together in a professional environment, I have seen Irshad grow to be a competent technical specialist.

Irshad is innovative and his approach in resolving technical issues are rather commendable. As a pragmatic leader and a realist, he can grasp ideas in a holistic manner and still pay attention to minor details. Irshad is known as diligent and personable – two qualities that define him completely.

As a creative thinker who possesses a can-do attitude, Irshad is a pleasure to work with. I do recommend him for a specialist technical lead/programmer for his future undertakings.

OPEN SOURCE



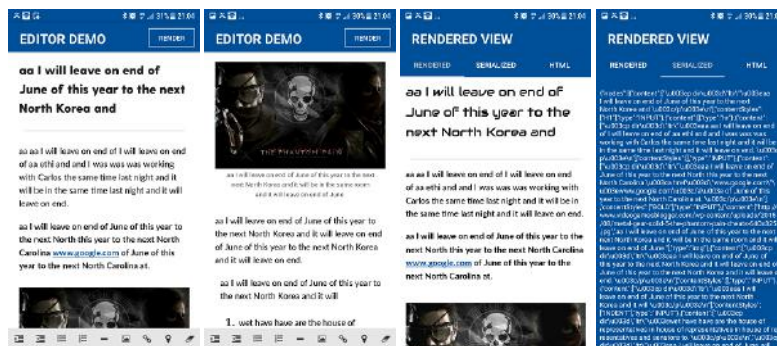
Android WYSIWYG Editor

May 2016 → Current (5 years, 5 months) 272 commits / 80,111 ++ / 73,662 -- • Last commit on Jul 30, 19

android

A text editor written in Android using native components in the content tree. Integrate easily to work with web based WYSIWYG's.

Below are some screenshots of the sample app from the project.



APPS & SOFTWARE (6)

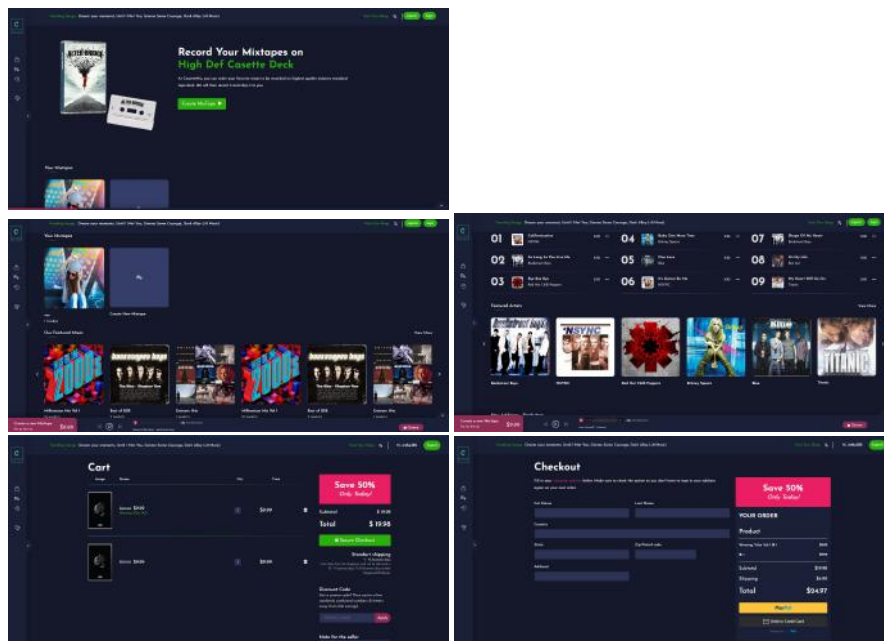


CasetteMix

Feb 2021

asp.net-core c# angular jquery

casettemix.com is a website where users can create Mixtapes and order it on Cassettes by making payment via the integrated Paypal gateway. I have some great playlists in the website, be sure to checkout, it's casettemix.com



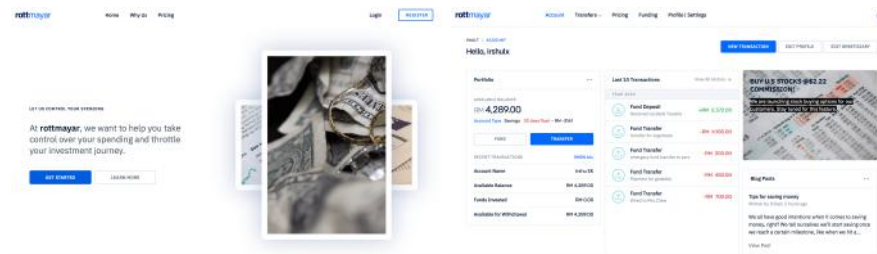


rottmayer

Dec 2019

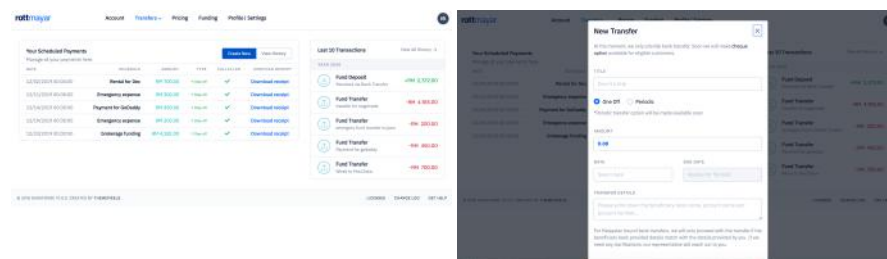
asp.net-core asp.net fix-protocol quickfix

rottmayer provide a holding account to our users to stash their extra cash to control unnecessary spending. They can manage payments, schedule one-off/recurring payments and download monthly invoice to track their float.



I created rottmayer because I had difficulty controlling spending extra cash at hand that I had to defer for overseas transfer span across next few months. rottmayer helps to track the account balance and control your excess spending.

You can create scheduled transactions as one-off/recurring. I'm also adding the margin account option as next stage for users who can actually borrow cash and invest in US stocks. Unlike other investing apps, rottmayer lets you control what stocks to own.



This product however won't be going live for public, due to excess regulations aused by Securities Commission Malaysia.



Woif | Web

Sep 2017

sails.js node.js firebase jquery html5 css3 flexbox ecmascript-6

The web client for Woif. Currently the web mainly serves as a catalog to browse our curation of workspaces. Visit the website www.thewoif.com



Responsibilities:

- Create low fidelity hand drawn wireframes to design high fidelity mockups using Adobe XD
- actual web design from the mockups using bootstrap framework and sails.js
- Host the website for free on firebase hosting
- Integrate firebase realtime database and firebase notifis

TODO:

Migrate from sails to vue.js



Woif | Android

Aug 2017

android firebase dagger-2 rx-java rx-android google-app-engine

Woif helps you find the best work-friendly cafe's around your neighborhood. We do in-depth review of each workspaces.

App also has integrations with Uber and Grab, so u can request a ride in-app.

The FIX Guide was developed for professionals in the fixed income market to understand how to implement a system utilizing the FIX protocol. Written for business and product managers, the Guide is a high level view of the resources and skills necessary to exploit the preeminent global standard for the electronic trading of fixed income. Highlights include choosing FIX engines, network choices, testing, the rules of engagement and the FIX process for fixed income. As more trading partners and platforms develop FIX messaging capabilities, firms are looking for an understanding of the most efficient way to implement FIX.

Principles for success

Ray Dalio

Rather short, but Ray is a figure i closely follow on LinkedIn and Twitter. Being an American billionaire hedge fund manager and philanthropist, Ray always shares his wisdoms of success and struggles navigating through his struggling hedge fund has been quite an inspiration for me.

Programming ASP.NET Core, Programming ASP.NET Core

Dino Esposito

TOOLS

First computer Hp Compaq Presario V3700

Favorite editor Visual Studio Code

OTHERS



Successfully launched WOIF on Web

app launch

Sep 2017

[sails.js](#) [google-app-engine](#) [twitter-bootstrap](#) [firebase](#) [jquery](#) [vue.js](#)

WOIF is not yet on iOS. So i needed a way for people to be able to browse our catalogue. After few weeks of free time crunching, i managed to get the web application out



Beuno Dyllon

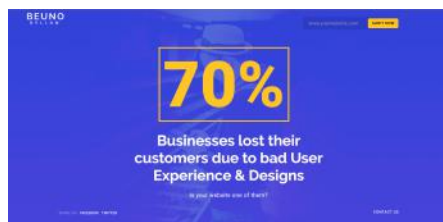
Website launch

Jun 2017

[vue.js](#) [firebase](#) [android](#) [greensock](#) [scrollmagic](#)

Beuno Dyllon is a freelance solution from me when i fall short of funds. I analyze the websites of businesses and find how their design and architecture affects business. I then provide them with a solution and attempts to obtain a contract.

What you see on the website was 100% designed and developed by myself.



Tech Stack:

- Vue.js
- Firebase
- CSS3/ HTML5
- Scrollmagic supported by Greensock for animations

I plan to compete for Malaysia Website Awards 2018 organized by Exabytes by adding more visual elements into this website.



scored 320+ stars on GitHub project

accomplishment

May 2020

[java](#) [android](#)

Scored 320+ stars for a **Native Text Editor** I authored for android. Its undoubtedly one of the most used native editor used on Android by developers around the world. Hosted in **GitHub**, <https://github.com/irshuLx/Android-WYSIWYG-Editor>



Top 6% contributor on stackoverflow.com

milestone

Aug 2019

[java](#) [android](#) [asp.net](#) [javascript](#) [git](#)

Maintained top contributor spot for the year 2019