

Syamsul Mohd Jafri

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Profile

I am an ambitious, extra hardworking, committed and a self-taught person. I have a vast knowledge in programming skills. My specialities field are more into web development and also I also have a strong base in data structure and programming algorithm.

Experience

SENIOR SOFTWARE ENGINEER (WEB DEV TEAM LEAD) AT POPSICAL KARAOKE SDN. BHD. – JUN 2020 - PRESENT

- Assigned as the Core Backend Developer for the company to handle the company's Karaoke system. Tech Stacks are Elixir/Phoenix Framework, Ruby on Rails, Reactjs.
- Solved company's playqueue system performance issues by introducing Elixir/Phoenix system as the separate system. By using the Elixir famous ETS for memory caching and Redis as caching backup incase the server crashed. All of the process are going through few background process that are spawn (in limited range) every single time new request coming through. Able to reduces most of the APIs response rate from 300-400ms to 5-30ms average. Also added Phoenix Websocket Channel usage for Realtime data transfer and response.
- Created new features like Smule, TikTok or Instagram Reels kinda of stuff for the company. Provided all backend API needed for frontend to process and display. Configure CloudFlare CDN and Workers to reduce the latency of fetching every videos.
- Created new features almost similar like Twitter Space, Facebook Live and Instagram Live that use 3rd party tools such as Agora to handle live audio & videos and backed up with Phoenix Websocket Channel to make sure that every activity for each connected users are in Realtime.
- Was assigned as a Team Lead to manage and guiding junior engineers for Backend Development and anything related to Web Development
- Handle 1 on 1 sessions with my team to have an insight about their progress and their problems that they're facing
- Introduce a weekly sharing sessions with my team in order to increase team creativity and engagements

FULLSTACK SOFTWARE ENGINEER AT EATZEELY SDN. BHD. – MARCH 2020 - 2020 JUN

- Assigned to create a vendor platform for the company system from scratch. Technology used for the vendor platform is ReactJS Single Page Application.
- Assigned to maintain company's Flutter Mobile App project.
 - Create a new feature for the app's home page based on new design
 - Fixing few bugs
- Proposed a new system architecture for their system and also for their work flows such as:
 - New infrastructure for their backend system by utilising AWS tools as their main server
 - New Backend system to handle all API data flows
 - New structure for their Flutter app which would be more simpler to understand

FULLSTACK SOFTWARE ENGINEER AT NALURI HIDUP SDN. BHD. – 2019 - 2020

I was assigned to handle the Frontend and also the Backend of our company system. My job scope mostly involved in these field:

- Creating multiple new API for the Frontend system
- Improve performance issues in the Backend and also Frontend system
- Design and Plan better infrastructure in code structure and also database structure wise of the existing system and for new features
- Maintaining and improving existing system by fixing bugs and improving the code structure to increase its readability level and also improving it in performance wise.
- Creating unit test for the code based and also creating a Postman test
- Delivering new requested features for the current system
- Change system's structured from relying based on ordering into slug unique name.

TECHNOLOGIES INVOLVED

- Elixir - (Phoenix Framework, distillery for deployment, Genserver)
- ReactJS - (Redux, Hooks, React-Rekit, Material-UI, Ant design)
- Postgres sql
- AWS - (S3 bucket, EC2 instance, Nginx)
- Firebase - (Dynamic link, Analytics)
- Github - (Circle CI)

SOFTWARE ENGINEER (SOFTWARE GRAPHICS & MEDIA ENGINEER) AT INTEL MALAYSIA – 2018 - 2019

Responsible in Android and Linux Kernel and also driver level development and debugging.

Accomplishment:

- Bring up virtualised Android for Intel automotive platform. Which is using Android P as a guest OS for on top of Linux hypervisor.
- Deploy CoreU (Core User mode) backend and frontend driver inside virtualised Android and Linux hypervisor Service OS.
- Build script for Android.mk file and also shell script for compiling, replacing and also shell script for compiling, replacing and development testing.
- Sustaining and maintenance for Android Display, Graphics & Media which involved the Hardware Composer, Surface Flinger and media drivers.
- Implement fixes related to sepolicy, driver initialisation and defects.
- Ramp up on Video Acceleration API for decode and Video Post Processing.

FREELANCE WEB DEVELOPER – 2016 - PRESENT

Developed and done quite decent amount of maintaining job previously.

Development tools mostly involved:

- Laravel
- ReactJS
- PHP
- IoT Projects
- Javascript
- Elixir (Phoenix Frameworks)

SOFTWARE INTERNSHIP (WEB MAINTAINER) IN FAVE MALAYSIA – 2017

Expose to:

MVC STRUCTURE	PHOENIX FRAMEWORK	ELIXIR
POSTGRES DB	HTML SLIM	SCSS
SHELL SCRIPT	GIT WORKFLOW	RUBY

Was given a recognition in a team meeting for my excellent support.

Education

Bachelor (Hons.) of Electronic Engineering UiTM Shah Alam - CGPA: 3.21 - Degree 2015 - 2018

Diploma of Electrical & Electronic Engineering UiTM Kampus Dungun - CGPA: 3.11 - Diploma 2015

Skills

- PHP
- Elixir
- Javascript
- React JS
- Shell Script
- Linux
- Laravel
- Phoenix Framework
- C & C++
- Python
- VB.net
- Postgres Sql
- Git
- HTML
- CSS/SASS

Projects

SMART HOME SYSTEM USING ANDROID

- Use PIR sensor to detect motion
- When user enter their house the house will light up
- Use bluetooth connection for user to control light in their house using their phone
- Create an android application using MIT website

SMART PARKING SYSTEM (ANDROID STUDIO, PHP, MYSQL, ARDUINO)

- Using Android Studio to create an application that can access online database

- Using Wifi Module for the Arduino to take data from an online database through a custom API

ECOMMERCE WEBSITE (LARAVEL)

- Use Bootstrap 4, PHP7, Laravel 5.5 and Mariadb database
- Create an admin panel to control all data flow inside the system whether to create new product, delete existing product, create new banner and others.

VOICE RECOGNITION FOR SMART HOME SYSTEM USING INTEL UPSQUARED IOT BOARD (PYTHON, LARAVEL, MYSQL, GOOGLE VOICE API)

- User can control their home appliance through Voice and Mobile web application
- The mobile web application is using PWA concept where users can received push notification whenever a PIR sensor detect a movement inside the house.

CREATE SIMPLE WEATHER MONITORING SYSTEM (REACTJS REKIT)

- Use API from Openweathermap to Retrieve current and future weather prediction
- Use React Redux and Asynchronous method to call the API

INVOLVED IN MAINTAINING IOT SYSTEM WEB ADMIN PANEL (REACTJS REKIT)

- Create features to check the realtime devices status and information by calling an API using redux
- Resolving existing bugs that causing errors and also performance issues.
- Fix some of the code based structurized to make it easier to maintain and increasing the code readability

INVOLVED IN MAINTAINING WEB ASSESSMENT MODULES SYSTEM (REACTJS)

- Create few modules based on the requested design and behaviours
- Fix few deep link redirection problems when trying to redirect into the native IOS and Android application.
- Implement Firebase dynamic linking usage instead of deep link
- Fix few bugs and add new required behaviours for existing modules

LIBRARY SYSTEM (LARAVEL FULLSTACK DEVELOPMENT)

- Authentication for admin to entered the admin panel
- Create CRUD API to show list of books, create books, search for books by (id, title, book order number, rack position and genre), delete books and update existing books info.
- Create user's view to search for books that they desired

REPORT WRITING SYSTEM (LARAVEL FULLSTACK DEVELOPMENT)

- Authentication for students, lecturers, and admin that have different views and access.
- Users can write new report and it will be auto generated in pdf forms and users will have the ability to directly send the link to lecturers WhatsApp number.

- Lecturer have the ability to see submitted reports based on class that they are assigned to.
- Admin have the ability to assigned lecturers to which classes and create a new lecturers and students account.

SHOP INVENTORY SYSTEM (LARAVEL FULLSTACK DEVELOPMENT)

- Create admin panel for admin and staff that have different access and views
- Admin will have the ability to add new product, delete product, check list of transaction, graph of current inventory quantity with a specific amount maximum quantity that has been set and also the ability to check different data for different branch.
- Staff will have the ability to add new transaction per day and it will automatically calculate the total gross income and total income after deducted with item price.
- Staff will also have the ability to insert the quantity of new items that they received.

HOSPITAL SCHEDULE SYSTEM (LARAVEL FULLSTACK DEVELOPMENT)

- Create an admin panel that have the ability to create a list of new staff and it will automatically assigned the staff into the scheduling systems based on their roles and department.
- Simple CRUD systems that have the ability to edit manually the schedule based on month and delete staff info or schedule.
- Admin have the ability to re-generate the schedule based on month