Bryan Tan Hoe Kin

Software Engineer | .NET Developer | BSc. Computer Science

Personal Information

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Location : Kelana Jaya, Selangor, Malaysia
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Nationality : Malaysian   Ethnicity : Chinese

Work Experience

Technical Consultant – Solutions Development (.NET)
Snovations Sdn Bhd (deployed to FXI Solutions Sdn Bhd [formerly known as Fusionex Group]) | Dec 2023 – Present

- Designed, developed, and maintained:
  - An embedded financial widget application from scratch, showcasing insurance, credit card, and wealth management offerings
  - A tipping module integrated with Xendit payment gateway for a social web app (white-labeled by major sports companies in Malaysia and the Philippines), enabling users to reward content creators (KOLs) directly at their posted content
  - A real-time admin portal for a Malaysian bank, empowering POS providers and retail companies to facilitate dynamic DuitNow QR payments at retail outlets
- Resolved critical real-time streaming issues on a high-traffic social web app through optimized caching and periodic database writing, significantly improving app stability and user experience
- Implemented location-based viewership moderation for content creators using Google Geolocation APIs, ensuring content compliance across different regions
- Developed and scheduled automated batch jobs to manage and process data across multiple systems and projects efficiently
- Integrated multiple third-party APIs and payment gateways, ensuring seamless interoperability and secure data handling
- Led production data patch initiatives with a takaful insurance company, ensuring smooth integration and compliance with internal core banking systems during critical updates
- Collaborated closely with cross-functional teams daily to drive continuous high-quality software delivery for clients
- **Technologies:** .NET Core MVC Razor Pages, .NET Core MVC Web API, C#, MS SQL Server, JavaScript, jQuery, SignalR, Agora Media Gateway, PubNub, Xendit Payment Gateway, AJAX (REST), Bootstrap, LINQ, Entity Framework Core, Azure DevOps, Kudu Service (For Logging), Agile (Scrum)

.NET Developer
Inceptio Technologies Sdn Bhd | May 2020 – Dec 2023

- Designed, developed, and maintained:
  - A real-time timer module for legal activity billing, with over 2000 entries created and billed each month by law firms across Southeast Asia
  - A bulk invoicing module for billing, significantly expediting repetitive invoice processes and enhancing user efficiency exponentially
  - Multiple spreadsheet reports capturing various employee efficiencies across the firm, utilized frequently by nearly 20 large law firms across Southeast Asia
- Overhauled the original database architectural design of the system, to permit the development of more complex accounting features required by larger clients with international business

- Designed, implemented, and embedded in the webapp a custom Power BI-based dashboard with app data in attempt to secure our largest client
- Led a team of 4 developers through the R&D and base implementation stages of developing a cross-platform, native mobile app, built on .NET MAUI and consuming Azure Function OpenAPI endpoints
- Chaired the implementation of product analytics tool Mixpanel across our services (utilizing an NGINX reverse proxy server to capture events), allowing product owners and business analysts to make better data-driven decisions regarding app features
- Chaired the implementation of (out-of-service) software testing automation tool TestProject, to facilitate the functional correctness of features on the webapp QA site
- Co-led the transition from manual code repository management to utilizing Azure DevOps CI/CD pipelines, integrating code analysis service SonarCloud, and webhooks to trigger other automation tasks within said pipelines
- Supervised and mentored an intern, tasked to conduct black box testing and assisted in setting up a product analytics tool on our webapp – the intern later onboarded our organization full-time a year after completing the internship
- **Technologies:** .NET Framework, ASP.NET Web Forms, C#, MS SQL Server, JavaScript, Telerik UI, jQuery, AJAX (REST), Bootstrap, LINQ, ADO.NET, OpenXML, .NET MAUI (Basic), Azure Functions, Azure DevOps, CI/CD, Data Warehousing, Azure AD, Power BI, Agile (Scrum) Methodology, SonarCloud, Mixpanel, TestProject *(Out-of-Service)*, Linux (Basic), NGINX (Basic)

Portfolio

Personal Finance Project (PFP)
Jan 2023 – Dec 2023 (Stopped to prioritize professional responsibilities)
https://github.com/bthk2151/PersonalFinanceProject
- A responsive webapp serving as a one-stop personal finance tracking solution for >1 users, with three main modules of namely (in order of development): Income & Expenses, Assets & Liabilities and Financial Goal
- Frontend: React.js, Material UI, Recharts
- Backend: Django, Django Rest Framework, MySQL
- External APIs: EOD Historical Data, CoinGecko

C19memorial
Aug 2021 – Sep 2021
https://c19memorial.my/
- The Covid-19 Memorial Malaysia website is a not-for-profit volunteer-run online memorial, for the sole purpose of remembering those who have lost their battles to Covid-19 in the country
- Frontend: React.js, Next.js, Tailwind CSS
- Backend: Strapi (CMS)
- Deployment: Vercel

Education Background

Bachelor's degree in computer science
Institute / University   : Monash University Malaysia
Grade   : Second Class Honours Division B
Graduation Date   : 2020

Monash University Foundation Year (MUFY)
Institute/University   : Sunway University
Grade   : Distinction
Graduation Date   : 2016

Languages / Proficiency

Languages	Proficiency
English	Native / Professional
Bahasa Malaysia	Professional
Chinese	Conversational

Technical Skills

Programming Languages
- ASP.NET Core
- CSS
- JavaScript
- C#
- MS SQL Server

Cloud Computing Services
- Azure

Data Visualization
- Power BI

Frameworks / Libraries
- Telerik (Kendo UI & ASP.NET AJAX)
- jQuery

- React.js
- Material UI
- Tailwind CSS
- Bootstrap
- SignalR

Third-Party Integrations
- Xendit Payment Gateway
- Agora Media Gateway
- PubNub

Data Warehousing
- Azure Blob Storage

Project Management Methodologies
- Agile (Scrum)

Personal Endeavors

Personal Investment Portfolio
Feb 2021 – Present
- Actively managing a 6-figure personal portfolio accumulated from personal savings, consisting of 1) equities & funds listed in Bursa Malaysia and 2) cryptocurrencies

Part-Time Front- and Back-of-House at Nando's Chickenland Malaysia Sdn Bhd (Paradigm Mall)
Mar 2021 – Sep 2022
- Worked flexibly in both FOH and BOH roles during service
- Closed the kitchen consistently every weekend night

Assistant Camp Commandant of Faith City Church Subang Jaya's Youth Camp
Jul 2019 – Dec 2019
- Co-led a team of 4 members to successfully manage the finances and execution of a 4D3N excursion with more than 60 attendees

Head of Cleanliness in Nobel International School
Jan 2015 – Dec 2015
- Led a team of 3 prefects in conducting regular inspections on classroom cleanliness
- Compiled and reported cleanliness data on a monthly basis to the assistant principal