

MOHAMED IZZAT KHAIR

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EDUCATION

SINGAPORE MANAGEMENT UNIVERSITY

Aug 2019 – Dec 2022

Bachelor of Science (Information Systems)

(Expected)

- Cumulative GPA: 3.29/4.00 (High Merit)
- Specialisation in Digitalisation & Cloud Solutions
- Best Presenter Award for SMU-SAP-ARM Enterprise Business Solution (SMU-X) Project (2021)
- Tech Lead for SMU Blockchain Club (2020)
- Program Coordinator for Project Xing Fu IX (2020)
- Program Assistant for MLCC Night Cycling (2019)

NANYANG POLYTECHNIC

Apr 2014 – Apr 2017

Diploma in Business Intelligence & Analytics with Merit

- Cumulative GPA: 3.82/4.00 (3rd In Cohort)
- SAS Institute Inc. Bronze Medal
- SAS Institute Inc. Award for Most Outstanding Project Work

EXPERIENCE

SOLAR AI TECHNOLOGIES

Jan 2021 – Aug 2021

Software Engineer Intern

- Developed new [features](#) using AWS Cloud Formation (Serverless), Lambda(Node.js) and other AWS Services
- Carried out unit test with Jest/react testing library for [customer-facing](#) and internal applications
- Executed front-end development of various [applications](#) using React.js, Redux and GraphQL
- Operated on customer and application databases in AWS DynamoDB and Elasticsearch
- Documented the system design and code base of various applications
- Integrated customer-facing applications with CRM tool (HubSpot)
- Proposed and implemented IT solutions for labour intensive tasks
- Gathered business requirements from users and stakeholders

SINGAPORE CIVIL DEFENCE FORCE

Aug 2017 – Aug 2019

Firefighter (National Service Fulltime)

- Involved in the planning and execution of ASEAN Summit, NDP Dinner and other related emergency standbys
- Led a team of firefighters for the yearly division/headquarter audit involving fire drills and knowledge test
- Managed and maintained the entire inventory of operational firefighting and medical equipment's
- Responded to various fire, hazmat, and large medical emergencies

MICROSOFT SINGAPORE

Mar 2016 – Sep 2016

Technical Evangelist Intern

- Mentored hackathon participants on system design and architecture of their applications for several hackathons e.g., IRAS Hackathon, HDB Hackathon, BCA Hackathon and SIA Hackathon
- Developed proof of concept applications with Microsoft Azure services for startups, Independent Software Vendors (ISV's), developer communities & students
- Advised startups on the industry best practices of building their solutions on Microsoft Azure as I am a mentor for the FinLab accelerator program
- Conducted Xamarin workshop for Temasek Polytechnic students to leverage on Microsoft's new Cross-Platform technology
- Managed multiple developer conferences e.g., InnovFest Unbound, Cloud Asia, CPX and IOT Asia

CO-CURRICULAR ACTIVITIES

Tech Lead, SMU Blockchain Club

Jan 2020 – Dec 2020

- Directed the Microsoft Azure Blockchain Workshop and Amazon Web Services Sharing Session with over 60 attendees from various universities across Singapore
- Coordinated with Blockchain experts from Amazon Web Services and Microsoft Azure Singapore
- Partnered with other universities across Singapore through the OpenNodes Campus Collective initiative
- Facilitated tours for visitors of SMU Blockchain Club virtual booth during Vivace (SMU CCA Fair)
- Facilitated the welfare gathering x dinner session for SMU Blockchain Club Members

Program Organiser, Project Xing Fu

Feb 2020 – Dec 2020

- Coordinated with vendors, sponsors and welfare organisations that are contributing to the projects
- Implemented events and activities to benefit Rohingya refugees during our 14-day trip to Malaysia
- Integrated innovative IT solutions to facilitate in the planning and execution of activities
- Executed the virtual 5-day retreat for the children at Jamiyah Children's Home

Program Assistant, MLCC Night Cycling 2019

Aug 2019 – Sep 2019

- Planned the 30-km long cycling route and activities for participants of the night cycling event
- Facilitated the night cycling event with more than 30 participants
- Implemented safety measures and guidelines for the event

Team Leader, National Science Experiment Big Data Challenge 2016

Sep 2016 – Feb 2017

- Represented Nanyang Polytechnic in the National's final and competed with other tertiary institutions
- Directed a team of four final year Diploma in Business Intelligence and Analytics students
- Developed stunning visualisations to help understand the reasons for students being late to school
- Proposed a viable solution to tertiary institutions across Singapore for mitigating this issue

Lecturer, i.Code workshop for Secondary School 2015

Apr 2015 – Jun 2015

- Guided secondary school students in building their first Android application using the MIT App Inventor

SKILLS & INTERESTS

- Projects/Applications: [HDB Bid Rent Theory\(Django/ MongoDB/ EC2\)](#), [HardwareZone Data Streaming\(Scrapy/ Spark /Kafka /Django\)](#), [HMZ Cookies\(PHP/MySQL\)](#), [Nightingale\(Firebase\)](#), [BangWo\(Firebase\)](#), [HealthySia SG\(Bootstrap/CSS\)](#), [Roblox Game #1](#), [HMZ Epok-Epok](#) and [NSE Big Data Challenge\(Tableau/Microsoft SQL\)](#)
- Proficient software/IT skills: Django, Flask, MongoDB, Firebase, AWS EC2, React.js, Node.js/Express.js, PHP, MySQL, HTML5/CSS/JS, GitHub Actions, Apache Spark, Apache Kafka, Apache Hadoop, Scrapy and Docker
- Additional software/IT skills: Jest/RTL, Python unittest, AWS DynamoDB, AWS Elasticsearch, AWS Lambda, AWS CloudFormation, AWS SES/SNS/SQS, RabbitMQ, Kong API Gateway, Kubernetes(Basic), Matplotlib, Jenkins, Vue.js, Figma, SAP BTP/IOT/Kyma, Microsoft SQL Server, Redis, Android Development(Kotlin), Business Process Modelling, Database Modelling, System Design Modelling(4C's or C4) and OOP
- Professional certifications/attainment: Advanced Training Consultants - Certificate of Completion for Android Application Development; NICF - Applications Development Certification; Microsoft Certificate of Achievement - Programming in HTML5 with JavaScript and CSS3; NICF – User Interface Design; WSQ Respond to fire and hazmat emergency certification; WSQ Respond to fire emergency in buildings certification; Mastereign Public speaking workshop certification; SP Electronic design and development certification
- Language fluency: Effectively bilingual in English and Bahasa Melayu/Malay

END OF RESUME
