

# Wu Yeuk Fei, Donald

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## EXPERIENCE

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### • Accenture

*Application Development Specialist*

Singapore

*Oct 2022 - Present*

- **IoT, Computer Vision:** Developed IoT, Computer Vision backend service for people counting and time in zone tracking using Python, Supervision, Inference, Ultralytics, YOLO, AWS (CDK, Greengrass, IoT Core), Git.
- **Travel Intent Api:** Developed a serverless architecture for travel intent api at Singapore Changi Airport Group (DIVA) using Python, AWS (CDK, API Gateway, Lambda, DynamoDB), Git, and Postman.
- **Landing zone IaC:** Developed a IaC/serverless project for Singapore Changi Airport Group using Terraform, Python, AWS (VPC, ALB, EC2, RDS, API Gateway, Lambda, DynamoDB, ECS Fargate, EKS Fargate).
- **Skytrain:** Developed a serverless architecture for the Skytrain at Singapore Changi Airport Group (DIVA) using Python, AWS (CDK, AppSync, API Gateway, Lambda, DynamoDB, Kinesis, Cognito), GraphQL, Git, and Postman.
- **GatherSG:** Developed a case management system (GatherSG) with GovTech (Government Digital Services) for various Singapore government agencies (CAP, CCCS) using Node.js, React.js, AWS, MySQL, Git, and Postman.

### • Hubble

*Senior Software Engineer*

Singapore

*Oct 2021 - Oct 2022*

- **Fabrication Management:** Developed Hubble Fabrication, BIM Model, and Draft Service API for a construction company using Ruby, Ruby on Rails, RSpec, Node.js, Serverless, Go, AWS, Postgres, Git, and Postman.

### • Keysoc

*Senior Backend Developer*

Hong Kong

*Oct 2020 - Sep 2021*

- **K11 Open API, K11 Tenant API:** Developed K11 Open API and K11 Tenant API for a shopping mall using Node.js, Python, Ruby, AWS (Api Gateway, Lambda, DynamoDB), GraphQL, MySQL, Git, and Postman.
- **K11 AWS IVS, web and Android app:** Developed K11 AWS IVS API, web and Android app for video streaming using AWS IVS and GraphQL.
- **KPOS Transaction API:** Developed KPOS Transaction API, a producer and consumer, to send and subscribe to topics and messages using AWS MSK.

## PROGRAMMING SKILLS

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- **Languages:** JavaScript, TypeScript, Ruby, Python, Java, Kotlin, Go, SQL, Bash/Zsh/Fish
- **Technologies:** Nodejs, Nestjs, Deno, Ruby on Rails, Serverless Framework, AWS CDK, Terraform, GraphQL, React, Svelte, React Native, Expo, Android, MySQL, Postgres, MongoDB, DynamoDB, Redis, Docker, AWS, Firebase

## PROJECTS

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- **Lunch Picker:** A tool to help you choose where to have lunch (Github)
- **Singapore Bus Arrival:** A web/app to check Singapore bus arrival (Github)
- **Incidental:** An incident management system (Github)
- **Notely:** A free, open-source notes app on the web (an alternative to the Notes Mac app) (Github)
- **Dummy Api:** An API for playing around with dummy data (Github)
- **Hong Kong Bus Arrival:** An app to check Hong Kong bus arrival times (Github)
- **Hong Kong Minibus Arrival:** An app to check Hong Kong minibus arrival times (Github)
- **Divisionly:** A web app to help you split expenses with friends (Github)
- **Intel Singapore Invent 50 Competition:** An app that detects crowd density in supermarkets and MRT stations and helps users plan their trips better (Youtube)

## EDUCATION

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### • Nanyang Technological University

*Master of Science in Information Systems*

Singapore

*Aug. 2015 – May. 2016*

### • City University of Hong Kong

*Bachelor of Business Administration (Honours) in Information Management*

Hong Kong

*Sep. 2012 – Jun. 2014*