# Gabriel Kok

**Email:** kokgabriel@gmail.com
Singaporean
Singapore 807860

**Portfolio site**: gabrielkok.dev
**GitHub:** https://github.com/milkmanex1

## EDUCATION

**National University of Singapore**                                                                                      **July 2020**
B.S Industrial System Engineering

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, ECMAScript 6, HTML, CSS, Java, Python
**Frameworks and Databases:** React, Next Js, Firebase, NodeJS, MongoDB, Express, MySQL
**Tools:** Git, Jira, Bitbucket, Google Cloud GCP

## WORK EXPERIENCE

**React Developer, Tata Consultancy Services – Singapore Airlines**                          **Jan 2022 – Present**
- Frontend-oriented React developer focused on developing an App to automate and improve the efficiency of Singapore Airlines Cadet Training Program. Primarily worked with JavaScript and React framework.
- Developed and deployed the app which resulted in a 30% reduction in time wasted in manual scenario generation
- Implemented a custom user authentication component to limit user access on certain functions, improving app security
- Designed and built modular React components using React framework, Material UI and Bootstrap Library.
- Collaborated with stakeholders to gather project requirements using Agile and Scrum approach

**Software Developer Trainee, Tata Consultancy Services**                                         **July 2021 – Jan 2022**
- Undergone rigorous training programme on Java, DBMS, SQL, UI, Web Services, Spring
- Completed a case study project using Angular JS, Hibernate and Spring

**Census Supervisor, Singapore Department of Statistics**                                         **July 2020 – Dec 2020**
- Trained, supervised and led a team of fieldworkers to collect key household data for Population Census 2020, the largest national survey in Singapore
- Achieved total 95% completion rate of C2020 operations in spite of the unprecedented Covid crisis

**Customer Supply Chain Intern, Infineon Technologies APAC**                                    **May 2019 – Aug 2019**
- Implemented Excel VBA to conduct data mining on large volumes of forecast order data, identifying trends and specific changes in demand
- Provided recommendation to planners to strategize stock availability and improve delivery performance
- Applied data into Tableau to create dashboards for data analysis

## PROJECTS

**Data Science Project – Singapore HDB Resale Price**                                             **Feb 2021 – May 2021**

- Performed data wrangling in Python to produce clean data for analysis
- Performed Exploratory Data Analysis on HDB Resale Prices in Singapore to identify trends and high-level analysis using various packages like Pandas, Matplotlib, Seaborn
- Engineered new features using data from external sources by scripting an API to pull the data
- Built Linear Regression and Random Forest Regression models to predict housing prices based on features and understand each feature importance in contributing to the price.

**System Design Project – Hospital to Community Model**                                         **Aug 2019 – Apr 2020**

- Design and develop an automated data visualization dashboard for analysis of patient data for Tan Tock Seng Hospital's "Health to Community" Project
- Incorporated Machine Learning Algorithms such as K Means clustering to identify optimum location to install medicine lockers
- Resulted in reduced repetitive workload for staff and reduced chance of human error, and increased efficiency in identification of disease trends

## CERTIFICATIONS

**Python for Data Science and Machine Learning Bootcamp by Jose Portilla**                  **May 2021**

**Complete SQL Mastery by Mosh Hamedani**                                                         **Dec 2020**