



# GOKUL PRASAD RAO A/L KRISHNARAO

## Software Engineer

### My Contact

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### Skills

#### Programming Languages and Frameworks

JAVA  
SPRING BOOT  
PYTHON  
JAVASCRIPT ES6  
REACT JS  
BOOTSTRAP  
ANGULAR

#### Integrated Development Environment (IDE) and version control

ANDROID STUDIO  
VISUAL STUDIO  
INTELLIJ IDEA  
GIT  
JENKINS (CI/CD)

#### Database

MSSQL  
FIREBASE  
SybaseSQL  
PostgreSQL

#### Cloud Computing

AMAZON WEB SERVICES

- ELASTIC BEANSTALK
- AMAZON S3
- AMAZON RDS

MICROSOFT AZURE  
FUNDAMENTALS

#### General

COMPUTER HARWARE AND  
SOFTWARE TROUBLESHOOTING  
AND MAINTENANCE

### About Me

A passionate Software Engineer, seeking an opportunity to be a part of a progressive tech company where my technical skills will be fully harnessed. My experience in the technical aspects will be able to contribute to system development and debugging. A fast learner, who can adapt to technology advancement as well as contribute to the company in a positive way.

### Education

**BSc (Hons) in Software Engineering** | Asia Pacific University (APU)  
2022 (GRADUATED) CGPA: 3.24

### Work

#### Analyst (Java), Individual Life

AIA Digital+ Malaysia  
January 2023 - present

#### Job Description:

- Familiarized myself with version control using Bitbucket and Git.
- Learned API Testing using Postman
- Involved in data masking and data validation with SQL
- Exposed me to Java Unit testing for ongoing projects with JUnit 4, JUnit 5, and Mockito
- Create PDF forms with HTML and CSS to be used as a form to get input from clients.
- Working on 2 different Java projects which are based on the Spring framework
- Developed a menu and navigation bar for a specific website that used within the company. Used Bootstrap to make sure the UI works well in all screen sizes.
- Used FileZilla to update the newer files related to the website to the server.
- Gained experience working with a group of people from different countries on the same project.

#### **IT Trainee**, Management Information System (MIS)

Internship | AKTY Technologies Sdn. Bhd  
Sept 2021 - January 2022

#### Job Description:

- Changing the current manual data entry method to an automated process using Google Sheets and Google Forms.
- Desktop and laptop software troubleshooting and maintenance.
- Server maintenance
- Developed an Android application for the company for the IT Store management
- Set up Firebase to store the IT room items to be used along the application

## **Technical Skills**

- Good understanding on Java development with Spring Boot framework
- Good understanding on Unit Testing with JUnit 5 and Mockito
- Good understanding on version control
- Good understanding on the MSSQL database
- Good understanding on Microsoft Azure and Amazon Web Services
- Good understanding on web development using HTML, CSS, and JavaScript
- Good understanding on mobile application development for Android with Java
- Basic understanding on Python Programming Language
- Good understanding on Bootstrap framework
- Good understanding on IOT and the implementations.

## **Certifications**

- Microsoft Azure Fundamentals
- Java: Testing with JUnit
- Java Spring Framework 6 with Spring Boot 3 (Udemy)
- Complete Web Development Bootcamp (HTML, CSS, JavaScript)
- LOMA 281: Meeting Customer Needs With Insurance and Annuities
- LOMA 291: Improving the Bottom Line: Insurance Company Operations

## **Final Year Project**

### **Covid-19 Geofencing Mobile Application for Android (MyCPTA)**

MyCPTA Android application, developed using Java in Android Studio can track and notify the users if they exceed the quarantine zone. Google Maps API was integrated to allow the users to set the geofence and enable the application to notify the user if they breach the quarantine zone. MyCPTA involves a total of 3 main users, such as the administrator, doctor and patients. Firebase was used as the database to store the details of doctors and patients.

## **Other Projects**

### **Portfolio Website**

This website is developed using HTML5, CSS and JavaScript. Bootstrap and CSS technologies such as Flexbox, and Grid is used within the project to better enhance user readability and the design. The website serves as my portfolio, featuring sections about me, my skills, my previous experience, and the projects I have completed.

### **Computer Store Website**

This website is developed using HTML5, CSS and JavaScript. Functional programming is implemented in the development of the website. The purpose of the website is to display all the available laptop models from the store. The users can filter and search the laptops according to their specific requirements. Integrate the website with Amazon Web Services (AWS) as a cloud deployment service.

### **Library Management System**

Android based mobile application for a library management system. The system has a total of three users. Such as the administrator, librarians and public. The administrator is preregistered user in the application. While the librarians and public are required to register themselves to be able to use the application. The librarians can add new books to the system, edit and delete the existing books. While the public are given an option to view books and email the librarians if they wish to borrow any books from the library.

## **References**

### **Tan May Yan**

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### **Muhamad Zulfadli**

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