

# Komal Sandhu

## Software Developer

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### Highlights

- **2+ years of experience** developing projects through freelancing
- Strong development and design skills using **object oriented languages**
- Experience using with **3rd party libraries, SDKS, APIs, and frameworks**
- Focused on **UI/UX design**, and cleanly written, well documented code
- Excellent written and verbal communication skills

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### Technical Skills

- **Languages:** React, React-Native, ECMAScript 6, Python, C#, C/C++
- **Databases:** MongoDB, SQLite, MySQL, Firebase
- **IDEs:** Visual Studio Code, Atom, Android Studio, Visual Studio, Eclipse, XCode, IntelliJ Idea
- **Platforms:** Windows, MacOS, Linux, Raspbian (Raspberry Pi)
- **Tools:** Git, Slack, VNC Server, XAMPP, phpMyAdmin, TeamViewer
- **Frameworks:** JUnit/NUnit, .Net, Selenium

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### Experience

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#### Web Developer / EGM Analytics / React, Restful-APIs

September 2020 - Present

Working as a Frontend Web Developer to develop, and deploy company's website

- Understanding designs made by UI/UX Team
- Implementing Daily RSS News Feed, Economic Calendar, Web TV (Company's Events' Updates) as per company's website design
- Using Postman to understand and implement APIs for data retrieval
- Designed using MVC approach

#### IT Support Technician / Electronic Arts

June 2018 - June 2019

- Provided technical assistance to customers on inbound telephone tech support calls
- Used remote access to perform troubleshooting when needed
- Walked customers through step-by-step process for troubleshooting hardware issues
- Account and Payment Management for all the EA players worldwide
- Assisted customers with anti-virus program installations and virus removals
- Used good problem-solving skills for troubleshooting problems

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### Recent Projects

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#### RouteltAll (In Progress)/ React-Native, SQLite, Firebase, Google Cloud APIs

RouteltAll is a commercial solution for entering package addresses and providing an optimal route for package delivery services for UPS, Purolator etc. It is a very time consuming activity for a driver to sort packages and check each address to build a route by himself which is not always the optimal route that ultimately leads to consumption of more time, energy and resources.

- Application provides an interface to scan multiple packages for address details using Google Cloud Vision API (OCR) to cut time consumed by 80%
- The Application generates the route for all the addresses scanned for that day's trip, logs delivery status for address, and saves the data to an encrypted database. It uses Google Maps API
- The deliveries that could not be done are automatically added to next day's trips for the next 2/3 days of the original scan date as per delivery attempts allowed by the company

#### **TimeQuiz / HTML, CSS, Javascript, PHP, MySQL**

I built an easy-to-use quiz platform for academic purposes.

- Designed and Implemented an easy-to-use responsive interface for the professors to set and students to take the quiz.
- Designed the database to host questions with their respective options and answers, sorted by subject code for reusability. Also, it saved records of all the tests taken through the website
- A customizable timer was implemented giving professor choice to either set total time for the whole quiz or time per question allowed

#### **Movie Search Engine/ C#, OMDb API, Sketch, JSON**

Implemented a basic Movie Search Engine in C#. OMDb is a RESTful web service to obtain movie information, all content and images related to it.

- Used Sketch to design UI of Application and implemented it in Visual Studio
- Implemented OMDb API to search online movie database, parsed JSON data and viewed the results

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## **Education**

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### **Web Design and Development**

Conestoga College, Kitchener

EXPECTED GRADUATION: December 2020

### **Bachelor's of Technology in Computer Science**

Aligarh Muslim University, India

GRADUATION: 2018

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## **Certifications**

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### **Embedded Linux**

Itronix Solutions, 2016

### **Android Application Development (Merit)**

HCL, 2014

### **Certified Python Developer**

HCL, 2014