Komal Sandhu

Software Developer

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Highlights

- **2+ years of experience Software Development in Web Applications**
- Strong development and design skills using **object oriented languages**
- Experience using with **3rd party libraries, SDKS, APIs, and frameworks**
- Experienced UI developer trained in HTML5, CSS3 and Javascript

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Skills

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

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Experience

Frontend Developer / EGM Analytics / React, Restful-APIs
September 2020 - January 2021

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

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

Frontend Web Developer / iEnergizer
June 2018 - June 2019

Worked as a Frontend Web Developer

- Understood designs made by UI/UX Team
- Built dynamic websites using JavaScript, JQuery etc.

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Recent Projects

RouteItAll / React-Native, SQLite, Firebase, Google Cloud APIs
September 2020 - December 2020

RouteItAll is a commercial solution using Agile Methodology 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
November 2019 - December 2019
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

Ontario Graduate Certificate in Web Design and Development
Conestoga College, Kitchener
GRADUATION: December 2020

Bachelor's of Technology in Computer Science
Aligarh Muslim University, India
GRADUATION: 2018

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Certifications

Embedded Linux
Itronix Solutions, 2016

Android Application Development (Merit)
HCL, 2014

Certified Python Developer
HCL, 2014