Sohail Khan

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EDUCATION

UET, LAHORE
BS in Computer Science
Grad. July 2020 | Lahore, PK
CGPA 3.3/4.0

GOVT COLLGE TOWNSHIP
FSc Pre-Engineering
Grad. June 2016 | Lahore, PK
86% A+

SKILLS

TECHNICAL SKILLS
Proficient with:
Node JS • Express • Angular • Core PHP
• ASP.NET • Laravel • JQuery
• HTML/CSS • Bootstrap • JavaScript
• TypeScript • Python • C#
• React • React Native • Redux
• MySQL • SQLite • SQL-Server
• Git • Agile Development
Familiar with:
C • C++ • Shell Scripting • Django
• Docker • Jenkins • Socket.io
• Electron JS • Android Studio
• Next Js • RxJS • Firebase
• MongoDB • Redis • Nginx
• Docker • MapBox • GraphQL
• ESLint • NgRx • ROS

SOFT SKILLS
Leadership • Initiative • Creative
• Time management

FUN FACTS

INTERESTS
Travel • History • Technology
• Sports

HOBBIES
Video Games • Movies • Football

LANGUAGES
Khowar • Urdu • Punjabi • English

EXPERIENCE

EBRYX | SOFTWARE ENGINEER
Apr 2020 – Present | Lahore, PK
- Backend development with Node, Express, MySQL, Redis.
- Frontend development with Angular.
- Refactor and optimize the code of the enterprise-level product.
- Design and development of new features.
- Design and development of optimized database for new features.
- Develop and monitor cron jobs & task queues.
- Develop and manage connections between controller and admin control panel via redis pubsub.

ESKETCHERS | FULL-STACK DEVELOPER
Jan 2020 – Apr 2020 | Lahore, PK
- Developed Android & iOS application using React Native.
- Developed web applications using Node, React, Firebase, Socket.io, MongoDB & MySQL.
- Developed Real-Time chat application using React Native and Firebase.
- Developed and deployed Firebase Cloud Functions for push notifications & database operations.
- Deployed web applications on Heroku and Digital Ocean servers.

FIVERR | LEVEL 2 SELLER
Aug 2018 – Present
I'm providing the following services on my profile.
- Backend development using Core PHP, Laravel, ASP.NET MVC 5, Django, NodeJs.
- Frontend development using React, Angular, JQuery, Vanilla Js, HTML, CSS, SCSS, Bootstrap.
- Android & iOS application development using React Native.
- Desktop application development using Electron JS & Windows forms.
- Docker, Jenkins, CI/CD pipelines.
- Deployment of web applications on Heroku, CentOS and Ubuntu servers.
- Automation scripting using Python, PHP, JavaScript, C#.
- Other C++, C#, PHP, Python, JavaScript, JSON, Shell Scripting related tasks.

INTERNSHIPS

KICS UET | LAB INTERN
Jun 2019 – Aug 2019 | Lahore, PK
- Did research on indoor Autonomous Guided Vehicles.
- Designed and developed Autonomous Guided Robot for my final year project using ROS.
- Designed and developed hardware component of autonomous guided robot.

QUVA | LARAVEL DEVELOPER
Jun 2018 – Aug 2018 | Lahore, PK
- Designed and developed a GRE preparation application for the startup.

FREELANCE PROJECTS

YABOUS | THEATRE TICKET BOOKING
NOV 2020 – APR 2021 | Palestine
Theatre ticket booking and accounts management application for Yabous cultural centre. Project is divided into web portal, desktop application, mobile application and online ticket booking website.
Tech Stack:
- Web portal is developed using Node, Express, Angular 8, MySQL, Socket.io, Redis.
- Desktop application is developed using Elctron Js & Angular 8.
- Mobile application is developed using React Native.
- Ticket booking website is developed using Angular 8, Node, Express, Socket.io, Redis & Bank of Palestine payment API.

MEDINA MAIDS | PROFILE MANAGMENT
JAN 2021 – FEB 2021 | Singapore
International maids profile management application for Medina Maids Singapore. Application consist of web portal to manage, advertise profiles & bulk pdf profiles data extractor.
Tech Stack:
- Backend is developed using Node, Express, Redis & Python 3.
- Frontend is developed using Angular 8.
- Python script is used to extract images from pdf profile(s) & node pdf text extractor is used to extract text. Queues are used to avoid process blockage while pdf data processing.

VEHICLE INQUIRY | NUMBER PLATES PORTAL
SEP 2020 – OCT 2020 | Netherlands
Netherlands vehicle registration inquiry portal for a startup. Project consist of web application to manage and provide services to registered users.
Tech Stack:
- Backend is developed using Core PHP & MySQL.
- Frontend is developed using HTML, CSS, Bootstrap 4, Vanilla JS & JQuery.
- Netherlands government provided API is used to fetch & process vehicles data.

SPORTS BETTING | BETTING APPLICATION
JAN 2020 – MAR 2020 | India
Sports betting application for Fiverr client. Project consist of web application to view game scores & place bet.
Tech Stack:
- Backend is developed using Core PHP, MySQL, Redis & Socket.io.
- Frontend is developed using HTML, CSS, Bootstrap 4, Vanilla JS & JQuery.
- Bet365 API is used to fetch & process sports data.

ACADEMIC PROJECTS

MARCOS | AGV BASED SCENE INTERPRETATION ROBOT
JUL 2019 – JUN 2020 | Final Year Project
Designed & Developed AGV based interpretation robot using SLAM as my final year project. The project is based on two modules, first module is AGV and second one is scene interpretation. Software part of AGV module is developed using ROS indigo and connected it to hardware part via ROS-Arduino Bridge. Scene interpretation uses Openpose for joint detection and CNN for object detection (pistol,knife and baggage).
Tech Stack:
- Software part consist of ROS(Robot Operating System), OpenPose, Ubuntu 14, Python 3, C++, C.
- Hardware part consist of Kinect 360, Arduino Mega, Gyroscope, Accelerometer, Encoder sensor mounted gear motors.

BOOK SHARE | BOOK SHARING APPLICATION
JAN 2020 – FEB 2020 | 7th Semester Project
Online book sharing application for CS-441(Mobile Application Development) lab evaluation. Project consist of android application to advertise & share books online.
Tech Stack:
- Android application is developed using Android Studio.
- Firebase firestore, Firebase auth & Firebase Cloud services are used as backend.

MOBILE SPECS | PHONE SPECIFICATION PORTAL
AUG 2019 – SEP 2019 | 6th Semester Project
Mobile phone specification website like gsmarena.com & phonearena.com for CS-363L(Database Systems) lab evaluation. Project consist of web application to manage and search latest mobile phone information.
Tech Stack:
- Backend is developed using Laravel 5.8, Laravel Generator, SQL Server.
- Frontend is developed using HTML, CSS, , Vanilla JS, JQuery.

METS | MCAT & ECAT PREPARATION SYSTEM
JAN 2019 – FEB 2019 | 5th Semester Project
Open source MCAT & ECAT preparation application for CS-381L(Software Engineering) lab evaluation. Project consist of web application to manage multiple choice questions and conduct multiple choice questions based exams.
Tech Stack:
- Backend is developed using ASP.NET MVC 5 & SQL Server.
- Frontend is developed using HTML, CSS, Vanilla JS, JQuery.

MES | MEDICAL EMERGENCY SYSTEM
FEB 2018 – MAR 2018 | 4th Semester Project
Medical emergency management system for CS-281L(Object Oriented Analysis and Design) lab evaluation. Project consist of desktop application to manage medical emergency related services like online doctors portal, blood bank & nearest hospital finder.
Tech Stack:
- Desktop application is developed using Windows forms, WCF, Google Map API, & Bunifu Framework UI.

EXTRA CURRICULAR ACTIVITIES

EHS - SCHOOL AWARENESS CAMPAIGN | ORGANIZER
MAR 2019 | Lahore, PK
- Organizer of EHS School Awareness Campaign UET 2019.

NAQSH 18 | ORGANIZER
DEC 2018
- Organizer of UET NAQSH 2018.

UET STREET ART 18 | ORGANIZER
DEC 2018 | Lahore, PK
- Organizer of UET STREET ART Competition 2018.

APEX 18 | ORGANIZER
MAY 2018 | Lahore, PK
- Organizer of All Pakistan Environmental Art Exhibition 18.

SKM SCIENCE FAIR | PARTICIPANT
FEB 2011 | Lahore, PK
- Made a DIY wind power mobile charger.