Syed Ans

Sr. Software Engineer || MERN Stack Developer

Innovativesoftwareengineerwith8Yearsofexperience in MERN Stack development.Provenexpertiseinleadinghigh-impact projects and strongfoundationinfull-stackdevelopmentand team leadership.

Contact: Info@botmer.io
Specialization: Full-Stack Developer
Rates per hour: $40
Rates per month: $4000
Availability: 45 hours per week
Supported Timezone: Any

EXPERIENCE

SOC Solution LLC, Pakistan— *Sr.MERN Stack Developer |Senior Software Developer*
*Feb*2024 - Present

Contributing to innovative Web3 and blockchain projects, including:

- Implementationofblockchainandcryptoplatformforusers.
- OngoinginvolvementinPassportv3,ablockchainbasedevent management solution.
- Implementinganalyticsforadminandmerchantforuser engagement and marketing understandings.
- Prioritizingdesignpatterns,exceptionalhandling,errorhandling, safety, and security in API development.
- ExpertiseinReact,Node.js,Express,NoSQL(MongoDB),AWS,S3 and Github CI/CD.
- CreatingAPIdocumentationwithJSDocsandPostman.
- DeploymentsonAWSusingGithubCI/CDpipelines.

SafariOne, Pakistan— *Sr.Software Engineer || Team lead*
Aug2021 - Feb2024

Contributing to innovative EdTech and logistics projects, including:

- ImplementationofTabseraEdTechplatformforSchools,Teachers, Students, and Parents.
- OngoinginvolvementinIntelParcel,asmartlogistics,smartlockers, and warehouse solution.
- ExpertiseinReact,Node.js,ES8,Express,NoSQL(MongoDB),SQL (PostgreSQL), Docker, and GitLab CI/CD.
- Prioritizingdesignpatterns,exceptionalhandling,errorhandling, safety, and security in API development.
- Microservicesarchitecture,cross-functionalteamwork,project coordination, monitoring with Zabbix and ELK Stack.
- CreatingAPIdocumentationwithJSDocsandPostman.Deployments using Docker-based pipelines.

SKILLS

JavaScript, React.JS, React Native, Angular.JS, Node.JS, Express.JS, KOA.JS, NoSQL, MongoDB, MySQL, PostgreSQL, DynamoDB. Material UI, Bootstrap, Tailwind CSS, REST APIs, SOAP, XML, Redux, Context API, State-Management, JSDocs, JEST,, GIT, CICD, Docker, GCP, AWS, EC2, Hetzner Cloud, ELK, NGINX, Cloud Automations, Ubuntu, CentOS, Debian, STRIPE, PayPal, Twilio.

ACHIEVEMENTS

Publishedthe 2nd International Conferencein IEEE on Communication,Computing and Digital systems (C-CODE) 2019, Islamabad, Pakistan.

Paper Title: "Computer-assisted Acute Lymphoblastic leukemiadiagnosticShafique, Sarmad, Samabia Tehsin, Syed Anas, and Farrukh Masud, pp. 184- 189. IEEE, 2019.

MedExamExpert, Pakistan— *Full Stack Developer || Team lead*
Feb2021 - Aug2021

- Spearheaded Ed-Tech web portal and app development in React Native.
- Designed and implemented features: Question Banks, Quizzes, Time-based Quizzes, interactive Courses.
- Utilized React, Node.js, Express, MongoDB for responsive user experiences.
- Leveraged GCP and Firebase for seamless data storage and real-time updates.
- Led project coordination, cross-functional collaboration, and UI/UX design.
- Conducted troubleshooting, testing, debugging, and performance optimization.
- Managed CI/CD pipelines and deployments.

Software Engineer, Pakistan— *AdvancedVoIP*
Feb2018 - Jan2021

- Developed and contributed to the design and development of VoIP solutions including Safelabs, Advoss, web portals, CRM, Radius Server, GPON provisioning services, Billing System using REST APIs for OSS/BSS solutions

- Collaborated with cross-functional teams to deliver robust and scalable full-stack applications, web portals, and OSS/BSS solutions, enhancing telecom services management. Implemented e cient database models using SQL and NoSQL for data management.

- Developed a VPN App in React Native with OpenVPN and L2TP/IPsec. Proficiently utilized React, Node.js, Express, MongoDB, and MySQL, along with JavaScript, Express, Firebase, Git, XML, and Linux (CentOS 7), to architect and develop software components.

- Contributed to the development and integration of the Worked on the development of a Wi-Fi App over the SafeVPN for customization of WiFi Routers in React Native. Automated tasks including Hetzner Cloud Server management, CronJobs, Email sending, Twitter APIs, and Twilio integrations. Focused on software architecture with an emphasis on scalability, security, and modular design. Collaborated e ectively in cross-functional teams, participated in code reviews, and coordinated projects. Ensured software quality through unit testing, debugging, and performance optimization.

EDUCATION

FAST NUCES, Pakistan— *MS-Computer Science*
Aug2019 - Jan2022

I completed my Master of Science degree in Computer Science at FAST NUCES, a renowned institution known for its rigorous academic programs and cutting-edge research. During my time at FAST NUCES, I specialized in advanced courses that expanded my knowledge and expertise in various facets of computer science. My coursework included in-depth studies in Advanced Artificial Intelligence (AI), Advanced Analysis of Algorithms , Social Network Analysis, and Data Visualization.

Bahria University, Pakistan — *BS-Computer Science*
Feb2014 - Jan2018

I pursued a Bachelor of Science degree in Computer Science at Bahria University, where I gained a strong foundation in computer science principles and specialized in key areas of the field. My coursework included in-depth studies in Artificial Intelligence, Image Processing, Data Mining, and Management Information Systems (MIS).

PROJECTS

IntelParcel— *Safarifone*

IntelParcelis a smartLockers, Warehouse, Vending Machine and Logistics Solution. Intelligent logistics for everyone
 Revolutionize your E-commerce and Logistics with AI and IoT-powered automation.

- MicroservicearchitectureinExpressandNodeJS.
- Integratedsecureauthenticationusing(JWTandencryptedHashbased)
- CreateRESTfulAPIsinExpressJSandNodeJS.
- Intercommunication between microservices using REST API calls and RabbitMQ.
- ManagingmonitoringofservicesusingELK.
- DocumentationismadeusingJSDocs.
- UnitTestingandE2Etestingofmicroservices.
- Deploymentofdevenvironment,stagingandProductionenvironmentin GitLab.
- Managingself-hostedGitLabwithCI/CDpipelines.
- Maintainreleasenotesfortheproduction.
- Ensuringthereliablereleasewithversioncontrol.
- Activelyparticipatingintheproductdevelopmentsprints
- Ensuringtimelydeliveryofservices.

Technologies used: *(React JS, Node JS, Express JS, PostGreSQL, Dockers, Material UI, React style components, Microservices, Kafka, GitLab, GitLab CI/CD, RabbitMQ, ELK, WebRTC and JSDocs)*

Tabsera— *Safarifone*

TabseraisPowerful education platform for students, teachers, principals which allows users to engage schools online with Live video classrooms

feature using webRTC. Tabsera also allows intercommunication between teacher and student via chats, whiteboards. It allows teachers to conduct quizzes and assignments, Take Online attendance, Student progress monitoring for parents. Tabsera also allows students to buy/subscribe to online games, books, video lectures etc. Publishers can publish games, videos, books for users to buy or subscribe to these games, eBooks or multimedia etc.

- CreateResponsiveComponentsinReactUI.
- CreateandmanagePortalfordi erentroleslikestudent,Parent,Teacher, Principal, admin and publisher using React.JS reusable responsive components with Material UI and react style components.
- CreateRESTfulAPIinExpressJSandNodeJS.
- CreateDockerContainersandImages.
- DeploycodetoDev,Stagingandproductionenvironment.
- MonitoringusingELKstack
- UnitTesting,E2ETesting
- APIdocumentationusingJSDocsandPostmandocumentation.
- Docker-baseddeploymentCI/CDpipelines,ensuringconsistentandreliable releases with version control.
- Integrate3rdPartypaymentgatewayslikeWaafiandEsnekPOS,SMSservices and email senders.
- IntegrationofTwilioservice.

Technologies used: *(React JS, Material UI, React style components, Node JS, Express JS,NoSQL, MongoDB, Twilio, Waafi, EsnekPOS, Dockers, Docker Swarm, CI/CD, RabbitMQ, ELK, WebRTC, Postman and JSDocs)*

MedExamExpert— *Med Exam Expert*

Med Exam Expert is a leading internationally recognized online study platform with the aim to provide aspiring candidates with quality content for medical exam preparation. It has an admin portal, Teacher portal and student portal. Students can subscribe to the course and learn from video lectures, attempt exams in designated time, check correct answers, read from helping material provided in the course.

- BuildAdminPortal,TeacherandStudentinReactJS.
- DeployandcreateMongoDBasDBforthesystem.
- Buildautomatedperformancereportsofsales,students,coursesonPortal using React JS.
- BuildRESTfulAPIsforthefrontendinExpressJSandNodeJS.
- DeployCodeonStagingandProductionEnvironmenttoGCP.
- ProvideOperationalsupportfortheactiveusers.
- MaintainServerLogs.
- UnitTestingandE2ETesting.
- FirebaseforPushNotifications.
- ManageTeamSprintsandTasks.
- CreateTasksinJiraasscrummaster.
- CollaboratewithUI/UXdesignersfortheFigmadesigns.
- AutomationofCronJobs,EmailSenders.
- IntegrationofTwilioService.
- IntegrationofStripeforpayment

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Technologies used: *(React JS, Node JS, Express JS, MongoDB, GCP, Stripe, React Native, Ubuntu, Zoom, Server logs, Load Balancer, Firebase, Push notifications, CronJob, Jira and Twilio)*

SafeLabs— *AdvancedVoIP*

SafeLabs is a ' Child Safety Online' service. It has Many online safety features like Hide Public IP and location, blocking access to Adult Websites, whitelist and blacklist domains for home/o ce Wi-Fi router. SafeLabs has also Introduced SafeLabs Wi-Fi Router which provides an online portal to

manage Wi-Fi, whitelist and blacklist domain, block malware and bar unsafe search results in google.

- CreateaAAAradiusserverfortheVPNservice.
- CreateRESTfulAPIsinExpressJSandNodeJS.
- CreateAdminPortalforWiFiDeviceusingReactJS.
- CreateauserPortalusingAngularJS.   CreateCloudAutomationAPIs.
- Integrate3rdPartypaymentgateways,SMSservicesandemailsenders.
- DeploymentofCodetocloud,stagingandProductionenvironment.
- MaintainServerLogs.   MonitoringusingZabbix
- UnitTestingandE2ETesting

T*(ReecahcntoJloS,g Aiensg uslaedr :J S, Material UI, Bootstrap, Express JS, Node JS, MySQL,OpenVPN, AAA, Radius Server, PayPal, JWT, Hetzner Cloud, GitLab, Ubuntu, CentOS, CloudAutomation, JSDocs)*

AdvOSS — *AdvancedVoiP*
Created backend server and APIs using Node JS and Express JS for the OSS and SIP based calling system. Also created an AAA radius server for the OSS.

- CreateanAAAradiusserver.
- RESTFulAPIsforOSSusingExpressjsandNodeJS..
- RESTfulAPIforAAAserverusingKOAJSandNodeJS.
- HandleStoreProcedureinMySQLdatabase.
- MaintainServerLogs.
- MonitoringusingZabbix
- UnitTestingandE2ETesting

Technologies used: *(Express JS, KOA JS, Node JS, MySQL, AAA,SIP Protocol, Asterisk Server, OSS, BSS, Server Logs, Zabbix, Hetzner Cloud, GitLab)*

CloudBin — *CloudBin*
Smart Bins and Fleet management system which allows companies to manage their Bins Bookings, vehicles availability, drivers availability and bookings with optimized path to booking addresses.

- Createdaportalforadmintomanagebookings,drivers,customers, trucks.bins etc.
- Createdafeaturefordriverstochecktheirdailybookingsandtheiroptimized   path to   bookings   in   maps.   CreatedaserverinnodeJS
- UsedMongoDBasadatabaseforCloudBinNodeServer.
- UnitTestingandE2ETesting DeploymentinAWSEC2instance.

Technologies used: *(React JS, Express JS, Node JS, MongoDB, AWS Cloud, EC2, CronJobs, GitHub, Ubuntu, Postman, Postman Docs)*