

Mirza Sohaib Nasir Baig

Solution Architect / Full Stack Developer



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Profile Summary

Results-driven Solution Architect and Full Stack Developer with a proven track record of designing and implementing robust software solutions that meet complex business challenges. Adept at combining technical expertise with strategic vision to deliver innovative and scalable applications. Strong proficiency in both front-end and back-end development, coupled with exceptional problem-solving skills. Skilled in collaborating across cross-functional teams to drive project success.

Key Competencies

Solution Architecture:	Expert in creating comprehensive architecture designs that align with business goals, leveraging a deep understanding of software development principles and industry best practices.
Full Stack Development:	Proficient in end-to-end web application development, encompassing front-end technologies (HTML, CSS, JavaScript, React) and back-end technologies (Node.js, Python, Java) to deliver seamless user experiences.
Technical Leadership:	Ability to lead development teams, providing technical guidance, code reviews, and fostering a collaborative environment to achieve project milestones.
Problem Solving:	Skilled at dissecting complex problems, identifying root causes, and developing innovative solutions that optimize performance, efficiency, and user satisfaction.
Project Management:	Track record of successfully managing projects from conception to deployment, ensuring adherence to deadlines, budgets, and quality standards.
Cloud Integration:	Proficient in leveraging cloud platforms (e.g., AWS, Azure, GCP, IBM Cloud) to architect, deploy, and scale applications, optimizing performance, security, and reliability.
API Development:	Strong experience in designing and implementing RESTful APIs and microservices to facilitate seamless communication between front-end and back-end systems.
Database Management:	Expertise in database design, optimization, and management using various relational (MySQL, Oracle, MSSQL Server) and NoSQL (MongoDB, Cloudant, DocumentDb) databases.
CI/CD	Familiarity with CI/CD pipelines, version control (Git), and automated testing, streamlining development workflows and ensuring code quality.
Client Collaboration:	Skilled communicator with a proven ability to understand client needs, translate technical concepts for non-technical stakeholders, and ensure alignment between technical solutions and business objectives.

Skill Set

Frameworks:	MERN, MEAN, Flask, Spring, Springboot, Hibernate
Front End:	React JS, Angular JS, Kendo UI, JSP, JavaScript, JQuery, Material UI, HTML, CSS, Bootstrap, Tailwind.
Backend:	NodeJS, Python, Java
Database:	Oracle, MSSQL Server, MySQL, MariaDB, DB2, MongoDB, DynamoDB, Cloudant, CosmosDB
Mobile:	Android, iOS, Flutter, React Native
Testing:	Selenium, Sonar Qube, HP Test Director, Apache JMeter, Jira, Confluence
Cloud:	AWS, Azure, GCP, Firebase, Docker, Kubernetes, Blockchain
Standards:	CMMI, ISO, Agile, Scrum

Projects

AI Based Ticket Processing System	<p>Role: Developer / Architect</p> <p>Tech Stack: ReactJS, Flask, Bootstrap, Cloudant, DocumentDb, WatsonAI, Microservices</p> <p>This application creates ticket through email or service now requests and process them according to priority and assign tickets to relevant department or users. It also shows analytics about processed image and reinforce learning of algorithm</p>
Tone Analyzer	<p>Role: Developer / Architect</p> <p>Tech Stack: ReactJS, Flask, Bootstrap, Cloudant, Sentiment Analysis, Google Cloud Natural Language API, Twilio</p>

Customer Relationship Management System	<p>This application listens a call between agent and customer and analyse customer tone. It shows variation in customer tone and guide agent with best of possible answers to customer queries according to the sentiment.</p> <p>Role: Developer / Architect Tech Stack: MERN, Springboot, Oracle, MariaDB, Microservices, Bootstrap, Jasper Reports</p> <p>This application is a full fledge system to help an organization to maintain paperless environments. It has HR, Leave, Attendance, Payroll, Learning, Career, Training, BI and some other modules.</p>
AI GAME SEPARATOR	<p>Role: Developer / Architect Tech Stack: Python, Pytorch, Google Colab, Artificial Neural Network</p> <p>This is an AI Model to separate Playable and Unplayable levels from system generator levels.</p>
FIND RESTAURANTS	<p>Role: Developer / Architect Tech Stack: MERN Stack, Google API, Microservices, Bootstrap</p> <p>This application is built to help locals to find the best restaurants near them and with best deals in town.</p>
PICK & DROP	<p>Role: Architect Tech Stack: ReactJS, Springboot, Material Design, MySQL</p> <p>This application help parents to secure their child trip to and from school using services of some vendor. This app helps service providers and parents to keep track of the kids movement with affordable rates and convenience.</p>
MATCH MAKING SERVICE	<p>Role: Developer / Architect Tech Stack: Geo Fencing, AngularJS, NodeJS, ParseDB, iOS App</p> <p>This application helps people to socialize with each other. Geo fencing was used to make matches of users.</p>
CONTAINER ALLOCATION SERVICE	<p>Role: Developer / Architect Tech Stack: ReactJS, AWS Amplify, Material UI, Dynamo DB, Serverless App</p> <p>This application is designed to help freighters to manage import and export of containers from and to other countries.</p>
SEEK PRODUCTS	<p>Role: Developer / Architect Tech Stack: MEAN Stack, Microservices, API Gateway, Payment Gateway, Geo Fencing</p> <p>This application allows users to search for the desired products and where to buy it. Google maps is used for routes.</p>
SOCIAL SNAP APP	<p>Role: Developer / Architect Tech Stack: MERN Stack, Microservices, Dropbox API</p> <p>This application helps people take snaps of events and upload it on drop box or share it on social media. It also has the ability to apply filters and add comments for creating an event book to share with the hosts.</p>
RATION DISTRIBUTION SYSTEM	<p>Role: Developer / Architect Tech Stack: MERN Stack, Microservices, D3JS, Tailwind CSS, MariaDB</p> <p>This application is for social welfare organization to help distribution of ration in slum area. This application also helps to determine the needy persons and allow distribution on time.</p>
RESTAURANT SYSTEM	<p>Role: Developer / Architect Tech Stack: MERN Stack, Microservices, D3JS, Bootstrap</p> <p>This application has the capability to run a restaurant. It manages food preparations, order management, inventory control, financials of the restaurants, menu builder etc.</p>
HEALTH ECOMMERCE SYSTEM	<p>Role: Developer / Architect Tech Stack: MERN Stack, Microservices, Bootstrap, Payment Gateway</p> <p>This application is an ecommerce system which helps to buy the best products for your body. It has around 15k products to manage. It has tips from doctors about body nutrition's and beauty.</p>
TELECOM MANAGEMENT SYSTEM	<p>Role: Developer Tech Stack: Oracle, J2EE, spring, Hibernate, Quartz Scheduler</p> <p>This application helps to manage the call records and biometric verification service. It helps to allow people visiting from another country to buy and use local telecom services without any hassle.</p>
AIRLINE CATERING SYSTEM	<p>Role: Developer Tech Stack: Oracle, J2EE, spring, Hibernate, Quartz, JasperReport, GWT</p> <p>It is a web based application to manage the airline catering system. It deals with the airline flight schedule to ensure the provision of meal for the passenger. It helps in each phase from preparing of meal to delivery in airline.</p>
FINANCIAL SYSTEM	<p>Role: Developer Tech Stack: Oracle, J2EE, spring, Hibernate, Quartz Scheduler</p> <p>This application helps banks to transfer and receive payments among individuals and financial institutions.</p>
LICENSE CALCULATION SERVICE	<p>Role: Developer Tech Stack: AngularJS, SpringBoot, Bootstrap, DB2, Bash / Power Shell Scripting</p> <p>This application calculate licenses for the software used in client machines like Windows, Linux, Office Products, and Oracle Products etc. Scripts are used to fetch information from client and feed to server and then logic is applied.</p>
HUMAN RESOURCE MANAGEMENT SYSTEM	<p>Role: Developer Tech Stack: SQLServer, J2EE, spring, Hibernate, Quartz Scheduler</p> <p>This system was a full fledge system to help HR people and employees for paperless operations for their daily jobs. It includes payroll, leave management, travel management, hiring, firing, training and some other modules.</p>
BIRTHDAY RESERVATION SYSTEM	<p>Role: Developer Tech Stack: Oracle, J2EE, spring, Hibernate, Quartz Scheduler, GWT</p> <p>This application helps people to reserve their birthday party with restaurants. It takes information about what you need in this party and then help restaurants to arrange these parties.</p>
HELPDESK	<p>Role: Developer Tech Stack: Oracle, J2EE, spring, Hibernate, Quartz Scheduler</p> <p>This system was a transaction enabled helpdesk system which take complaints/feedback and process them.</p>

CLUB MANAGEMENT SYSTEM	<p>Role: Developer</p> <p>Tech Stack: Oracle, J2EE, spring, Hibernate, Quartz Scheduler</p> <p>This application helps to manage a club. This application has information of its membership and events to be help on.</p>
E-JOBS SYSTEM	<p>Role: Developer</p> <p>Tech Stack: Oracle, J2EE, spring, Hibernate, Quartz Scheduler</p> <p>This application helps in launching a job and selection of candidate. It has capability to create resume, create job, apply job, schedule interview, written test and selection or rejection of candidates.</p>
INSURANCE SERVICES	<p>Role: Developer</p> <p>Tech Stack: Oracle, J2EE, spring, Hibernate, iOS, Android</p> <p>This application is designed to buy and renew insurance policies for health, travel, vehicle etc. and process claims.</p>

Employers

Rapidev (OwlSense)	<p>Role: Solution Architect</p> <p>(Apr 2024 - till date)</p>
Kyndryl	<p>Role: Solution Architect / Full Stack Developer</p> <p>(Sep 2021 - Mar 2024)</p>
IBM	<p>Role: Solution Architect / Full Stack Developer</p> <p>(Dec 2017 - Sep 2021)</p>
Business Analytix	<p>Role: Team Lead / Design Engineer</p> <p>(Apr 2010 - Dec 2017)</p>

Education

Master of Data Science	<p>Majors: Data Mining, Data Cleaning, Natural Language Processing, Image Processing, Neural Network, Machine Learning</p> <p>(Completed with 3.8 CGPA from Riphah International University)</p>
Master of Computer Science	<p>Majors: Data Structures, Artificial Intelligence, Programming Languages(Java, C#, Javascript, Python), Networking</p> <p>(Completed with 3.9 CGPA from PMAS-Arid Agriculture University)</p>

Certifications and Learning

Azure Fundamentals	Issuer: Microsoft
Embracing Automation	Issuer: IEEE
Artificial Intelligence	Issuer: IEEE
Docker Essentials	Issuer: IBM
Call for Code	Issuer: IBM
Enterprise Design Thinking	Issuer: IBM
Blockchain Essentials	Issuer: IBM