



Muhammad Omer Hussain

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Gender: Male **Date of birth:** 06/01/1998 **Nationality:** Pakistani

ABOUT ME

A self-motivated Software Engineer having experience in developing scalable and high-performance applications, an effective programmer seeking an opportunity to solve real world problems and apply my technical skills and creativity to develop innovative software solutions in a collaborative and dynamic workplace.

WORK EXPERIENCE

[21/01/2022 – Current]

Software Engineer

Eocean Private limited

City: Karachi | **Country:** Pakistan

1. Engaged in a collaborative environment with software developers and product leads to craft web applications leveraging React js, Node.js, and MongoDB.
2. Led a team of two frontend developers, providing guidance and training in React js development.
3. Engaged actively in the conceptualization and execution of new application features alongside the design and technical teams.
4. Focused on constructing and refining RESTful APIs and microservices employing JavaScript and Nest js frameworks.
5. Developed and maintained microservices architecture with inter-service communication using Kafka and Redis.
6. Implemented authentication and authorization mechanisms, including JWT to secure APIs.
7. Implemented caching mechanisms using Redis to improve response times and reduce database load.
8. Troubleshooting and debugging code issues and implementing solutions.
9. Optimizing the performance of the application and ensuring it runs smoothly
10. Implemented agile development methodologies to ensure that software was delivered on time and to specification.
11. Enhanced development processes by contributing to the setup and maintenance of a continuous integration/continuous deployment (CI/CD) pipeline utilizing Docker.
12. Regularly engaged in sprint meetings to align project objectives and team efforts.
13. Participating in code reviews and providing feedback to other team members.

[26/01/2022 – 30/11/2022]

Software Engineer (Full stack) Remote

Nasr Solutions

City: Karachi | **Country:** Pakistan

1. Played a pivotal role in a remote development team, crafting web applications using Angular, Node.js, and MongoDB, aligning with strategic product visions.
2. Collaborating with the design and development team to develop new features and functionalities.
3. Specialized in the creation of RESTful APIs using JavaScript and Express js, promoting scalable application architecture.
4. Embraced agile practices and object-oriented programming concepts to deliver well-architected software solutions.
5. Troubleshooting and debugging code issues and implementing solutions

6. Participating in agile/scrum meetings to ensure project goals are met.
7. Provided constructive code reviews, elevating team standards and encouraging professional development.

[01/01/2021 – 21/01/2022]

Full Stack developer

Nouvelle Innovations

City: Karachi | **Country:** Pakistan

1. Collaboratively designed and developed web-based solutions with Angular, Node.js, and MySQL, aligning with both client and internal objectives.
2. Worked alongside creative and technical teams to innovate and implement user-centric features.
3. Worked on developing RESTful APIs using Javascript and Nest js.
4. Designed and implemented software features using agile methodologies and object-oriented programming principles.
5. Led debugging and issue resolution efforts, ensuring the stability and reliability of web applications.
6. Actively participated in sprint planning and review meetings, contributing to the team's agile execution and goal alignment.
7. Participating in code reviews and providing feedback to other team members.

EDUCATION AND TRAINING

[09/01/2017 – 27/03/2021]

Bachelor of Science in Software Engineering

Sir Syed University of Engineering and Technology <https://www.ssuet.edu.pk/>

Address: ST-16 Main University Rd, Block 5 Gulshan-e-Iqbal, 7530, Karachi, Pakistan | **Field(s) of study:** Software Engineering | **Final grade:** 3.03

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

JavaScript | TypeScript | Node JS | Express JS | Nest JS | React Js | Angular | React Redux | Microservices | Apache Kafka (Streams, Connect) | Docker | Elasticsearch (Basics) | ELK (Logstash, Filebeat) | HTML | CSS | tailwind css | Web Programming Skills | E-Commerce | Web User Interface Design (UI) | Linux | Security Principles | Object-Oriented Programming | API's | SQL Management Studio | MySQL | MongoDB | FireBase | SQLYog | TypeORM | Sequelize | GitHub | Firebase - Cloud Firestore | Atlassian Tools (JIRA, Bitbucket, Confluence) | Jasmin-SMS

PROJECTS

[25/12/2024 – Current]

CPaaS Messaging Platform for Saudi Arabia – Secure, Compliant, and Scalable SMS Solutions in Collaboration with Interkey

- **Template-Centric SMS:** Ensuring compliance with Saudi regulations by utilizing a template-based SMS system for secure and standardized messaging.
- **Bulk Campaign Management:** Enabling businesses to upload and manage large-scale SMS campaigns efficiently.
- **CPaaS for Saudi Arabia:** Developed under strict CITC compliance, ensuring regulatory adherence and seamless telecom integration.

- **Portal 2.0:** A revamped, intuitive, and user-friendly interface for enhanced SMS campaign management.
- **Enterprise-Grade Security & Infrastructure:** Adhering to ISO-27001 and CITC standards, ensuring data security and system reliability.
- **Robust API Integration:** Offering comprehensive APIs tailored to Saudi market needs, supporting seamless business communication.
- **Advanced Analytics & Reporting:** Delivering deep insights into SMS delivery, engagement, and performance metrics.
- **Personalization & Real-Time Synchronization:** Optimizing message prioritization, real-time HLR updates, and data synchronization.
- **Smart Automations & Webhooks:** Implementing event-driven automation, smart SMS tagging, and auto-responder functionalities for efficient customer interactions.
- **Strategic Collaboration with Interkey:** Strengthening messaging solutions with Interkey's expertise, ensuring enhanced market reach and operational excellence in Saudi Arabia.

[01/01/2023 – Current] **EOcean SMS Gateway 2.0**

Portal 2.0:

Enhanced user interface for a sleek, intuitive experience. Manage messages effortlessly with advanced management capabilities.

State-of-the-art Security and Infrastructure:

Redefining industry standards with a secure CPaaS platform compliant with ISO-27001, PTA-CTDISR, and SBP standards.

API with Robust Capabilities:

Introducing new APIs to meet all essential customer needs.

Advanced Analytics: Gain deeper insights into delivered SMS with an improved reporting dashboard.

Personalization Tools: Easily set message priorities, sync real-time data, and update HLR conveniently.

Automations: Introducing Webhooks for event-driven communication and Smart SMS tagging for intelligent message analysis. Enjoy auto-responder feature for seamless automated responses.

Link: <https://www.linkedin.com/in/omer-hussain-755b54199/details/projects/>

[01/01/2024 – 14/03/2024] **Tech Blogging Website**

- Latest trends and insights in the tech industry.
- Access in-depth articles written by experts covering a wide range of topics including cutting-edge technologies, emerging trends, and innovations.
- Gain valuable insights and perspectives to help you stay ahead in the rapidly evolving world of technology.

- Explore thought-provoking content that delves into the impact of new technologies and trends on various industries and sectors.
- Stay informed and inspired by discovering the latest advancements and breakthroughs shaping the future of technology.

Link: <https://webtechnodesign.com/tech-blogs>

E.ocean 1portal

1. Tasked with maintaining and updating application modifications utilizing ReactJS.
2. Development of unit tests for code validation.
3. Generation and integration of APIs with the frontend interface.
4. Codebase optimization for enhanced performance.

Anti-counterfeiting Web Portal

1. Responsible of managing and updating the changes in the application using Angular and node js
2. Construction of APIs utilizing Express.js and MySQL database.
3. Seamless API connectivity with the frontend environment.
4. Creating Unit tests.
5. Code refinement for optimal functionality.

Complaint Management system

1. Responsible of managing and updating the changes in the application using Angular and node js
2. Development and implementation of APIs with Express.js backed by MySQL.
3. Integration of APIs with the user interface for a cohesive user experience.
4. Formulation of comprehensive unit tests.
5. Optimizing the existing code.

Event Management Application

1. Managed and updated the server-side operations using Node.js.
2. APIs creation using Express.js and integrated MongoDB for data management.
3. Incorporated third-party APIs, including Stripe for payment processing.
4. Constructed unit tests to ensure reliability.
5. Optimizing the existing code.

Pakistan One Stop (E-commerce App)

1. Responsible of managing and updating the changes in the application using Angular and node js
2. API creation with Nest Js + MySQL
3. API integration with the UI.
4. Creating Unit tests.
5. Optimizing the existing code.

Budget App

1. Responsible of managing and updating the changes in the application using Angular
2. Key feature calculate budget from your salary and expenses

Web Application based on brain games (Final Year Project)

This web application is based on multiple brain games. The player plays different category brain games on our web and the score is maintained individually. We have used node js

and express js for backend (server side) and API's, ejs for displaying players score and Microsoft SQL server for database.

HONOURS AND AWARDS

[26/02/2024] **JavaScript (Basic) Certificate Awarding institution:** HackerRank

Link: <https://www.hackerrank.com/certificates/82b23ff2db64>

[06/03/2024] **Node (Basic) Certificate Awarding institution:** HackerRank

Link: <https://www.hackerrank.com/certificates/954de03f8e52>

Winner of the SMEC 19 Animation competition Awarding institution: SMEC 2019 - Sir Syed University of Engineering and Technology.

HOBBIES AND INTERESTS

Digital games

Online games, Multiplayer games.

Sports

Cricket, GYM, Badminton, Table tennis etc.