



Muhammad Sheheryar

Gender: Male | **Phone number:** (+1) 3157158502 (Mobile) | **Email address:**

sheheryarch55@gmail.com | **LinkedIn:** <https://www.linkedin.com/in/sheheryar-ghani/> |

WhatsApp Messenger: 03016140800 |

Address: 9550 Miramar Rd, San Diego, CA 92126, United States (Work)

ABOUT ME

Specializing in **Django, React JS, Node JS, MERN Stack, AWS, Digital Ocean, Heroku**

I am a passionate **Full Stack Developer** with expertise in creating **scalable, user-friendly** web applications. I specialize in both **frontend** and **backend development**. On the **frontend**, I design **responsive**, dynamic user interfaces using **React JS** and modern web technologies like **HTML5, CSS3, and JavaScript**. I ensure seamless user experiences across different devices and screen sizes.

For **backend development**, I leverage **Python** and **Django** to build secure, efficient web applications, and I also have extensive experience with **Node.js**. I am skilled in building and consuming **REST APIs** using **Django REST Framework** and managing background tasks with **Celery**. I optimize system performance through **Cron jobs**, ensuring automation and scheduling of key processes.

I have hands-on experience deploying and managing applications on cloud platforms such as **AWS EC2, Digital Ocean, Heroku, and Vercel**. I'm also proficient in **Docker** for containerization and setting up **CI/CD pipelines** to automate testing, integration, and deployment, ensuring consistent delivery of high-quality applications.

With a focus on clean, maintainable code and a collaborative approach, I am dedicated to developing applications that meet both user needs and business objectives, while continuously exploring new technologies to improve efficiency and drive innovation.

EDUCATION AND TRAINING

09/2011 – 06/2015 Lahore, Pakistan

BACHELOR OF SCIENCE - BS, COMPUTER SCIENCE COMSATS Institute of Information and Technology

Website <https://www.comsats.edu.pk/>

DIGITAL SKILLS

Selenium | Web scraping | Full stack Development | iOS Development | Postman | JavaScript | MySQL | Object-Oriented Programming (OOP) | Mobile Application Development | Web Technologies | Android Development | Docker | Mean Stack | Software Infrastructure | React JS | React Hooks | Git | Front-End Development | Project Management | CEO | Mobile Applications | Team Leadership | React.js | Django | Front-end Development | Node.js | REST APIs | React Native | Web Development | Django REST Framework | Debugging | Programming | SQL | Flask | Finance | Information Technology | Machine Learning | SASS | Databases | GraphQL | Webpack | JSON Web Token (JWT) | JSON | HTML5 | Software Development | MongoDB | GitHub | Vue.js | next.js | redux.js

WORK EXPERIENCE

02/2021 – CURRENT Lahore, Pakistan

FULL STACK WEB DEVELOPER DEXTERSOL

As a **Full Stack Web Developer**, I have worked on both **frontend** and **backend** development, designing and building dynamic, scalable web applications. Key responsibilities and skills include:

- **Frontend Development:** Built **responsive** and **dynamic user interfaces** using **React JS**, ensuring seamless user experiences across various devices and platforms.
- **Backend Development:** Developed robust, secure backend applications using **Python** with **Django** and **Node.js**, including building **RESTful APIs** and integrating with third-party services.
- **API Integration:** Utilized **Django REST Framework** to facilitate communication between the frontend and backend, ensuring smooth data exchange and system functionality.
- **Automation:** Implemented background tasks using **Celery** and scheduled automation with **Cron jobs**, improving system efficiency and reducing manual intervention.
- **Deployment:** Deployed and managed applications on cloud platforms such as **AWS, Heroku, and Digital Ocean**, utilizing **Docker** for containerization and creating **CI/CD pipelines** for automated testing and deployment.

- **Collaboration:** Worked closely with cross-functional teams to deliver high-quality, user-centric applications that meet both technical and business requirements.
 - I focus on writing clean, maintainable code and continuously explore new technologies to improve the development process and drive innovation.

01/2020 – 12/2021 Lahore, Pakistan

SOFTWARE ENGINEER DEXTERSOL

As a **Software Engineer**, I design, develop, and maintain software solutions that are both efficient and scalable. I apply my expertise in programming languages, algorithms, and system design to solve complex problems and deliver high-quality software products. Key responsibilities and skills include:

- **Software Development:** Write clean, maintainable, and efficient code in languages such as **Python, Java**, and **JavaScript**, following best practices and coding standards.
- **System Design & Architecture:** Design and implement scalable, modular systems, ensuring that applications are both functional and easy to maintain over time.
- **Database Management:** Work with relational and non-relational databases, ensuring optimized data storage and fast retrieval, using technologies like **SQL, PostgreSQL**, and **MongoDB**.
- **Debugging & Optimization:** Perform regular **code reviews**, identify performance bottlenecks, and optimize code to enhance the speed and efficiency of applications.
- **Collaboration:** Work closely with **product managers, designers**, and other engineers to deliver software that meets user needs and business goals.
- **Testing & Deployment:** Use **unit testing, integration testing**, and **automated testing** tools to ensure the quality of the software. I am also proficient in setting up **CI/CD pipelines** for smooth deployment and continuous delivery.
- **Problem Solving:** Apply strong **analytical thinking** to troubleshoot and resolve technical issues, ensuring that applications run smoothly and meet performance expectations.

As a **Software Engineer**, I am committed to continuous learning, collaborating with teams to build innovative solutions, and contributing to the long-term success of the projects I work on.

01/2019 – 12/2019 Lahore, Pakistan

DATA ENGINEER DEXTERSOL

As a **Data Engineer**, I design, implement, and maintain the infrastructure and systems that enable the processing and storage of large datasets. My work ensures that data is accessible, accurate, and ready for analysis, enabling organizations to make data-driven decisions. Key responsibilities and skills include:

- **Data Pipeline Development:** Design and implement **ETL (Extract, Transform, Load)** pipelines to efficiently move data from various sources into **data warehouses** and **data lakes**.
- **Data Modeling & Architecture:** Develop robust **data models** and **database architectures** to ensure data is structured efficiently for analytics and reporting.
- **Data Integration:** Integrate data from diverse sources such as APIs, databases, and external services, ensuring seamless data flow and consistency.
- **Big Data Technologies:** Work with **big data frameworks** like **Apache Hadoop, Apache Spark**, and **Kafka** to process and analyze large-scale datasets in real-time or batch mode.
- **Database Management:** Proficient in both **relational** and **non-relational databases**, including **SQL** (PostgreSQL, MySQL) and **NoSQL** (MongoDB, Cassandra), ensuring high-performance data storage and retrieval.
- **Data Quality & Validation:** Implement data quality checks and ensure data integrity by monitoring and cleansing incoming data, minimizing errors and inconsistencies.
- **Cloud Data Infrastructure:** Experience with cloud platforms such as **AWS, Google Cloud**, and **Azure** to design and deploy scalable data solutions using **S3, Redshift, BigQuery**, and other cloud data services.
- **Collaboration:** Work closely with **data scientists, analysts**, and other stakeholders to provide clean, well-structured data for advanced analytics, machine learning, and reporting.
- **Automation & Optimization:** Automate manual data processing tasks and optimize data pipelines to ensure scalability, reliability, and speed of data operations.

PROJECTS

E-Learning Platform

I developed an interactive e-learning platform designed to help users learn, practice, and track their language progress. During sign-up, users select a native and target language, with the native language fixed and the target language adjustable. The platform provides various tools to enhance the language learning experience.

Technologies Used:

- **Frontend:** React JS, Material UI, Redux, Axios
- **Backend:** Django
- **AI Integration:** OpenAI, Chat GPT, Whisper
- **Authentication & Security:** JWT

Core Features:

1. Stories

Users can store chapters in individual stories, which they can add manually, extract from audio, or generate using AI.

- **Word Translation & Tracking:** Users can click on words in the target language to view their translation and track learning progress.
- **Audio Support:** The platform includes a text-to-speech feature for pronunciation assistance.
- **Word Grouping:** Users can group related words together for more focused learning.

2. Flashcards

Flashcards help users test their knowledge of the target language.

- **AI & Manual Creation:** Flashcards can be generated by AI or created manually by users.
- **Interactive Learning:** Users swipe through flashcards, translate them, and track their progress just like in the **Stories** section.

3. Lesson Notebook

The Lesson Notebook helps users engage with AI to generate and explore language learning topics.

- **AI-Generated Examples:** Users can interact with AI-generated examples to better understand language concepts.
- **Note Section:** A dedicated area allows users to store notes and key points from their AI discussions.
- **AI-Generated Flashcards:** Users can request AI to generate flashcards specific to the conversation topics for further review.

4. Content Marketplace

The **Content Marketplace** provides a wealth of language learning materials.

- **Language-Specific Content:** Users can browse content tailored to their selected target language.
- **Copying Content:** Users can copy entire collections or individual items (Stories, Flashcards, or Lesson Notebooks) without affecting the original content.
- **Efficient Search:** Redux manages language data and filters, making it easy to find relevant content. MUI is used for a responsive and user-friendly UI design.

5. Sub-Admin Management

Sub-admins, assigned by the main admin, can create, edit, and manage content available on the Content Marketplace.

- **Content Creation & Management:** Sub-admins can publish, edit, delete, or draft content in various languages.
- **Drafting & Publishing:** Content can be saved as drafts for later publication.
- **Efficient Data Handling:** State management through Redux ensures smooth handling of content editing and updates.

Backend Architecture:

- **Django Backend:** Handles all data storage and management, including user content, language settings, and admin controls.
- **Database:** Django ORM is used to efficiently manage and store user-generated content, sub-admin data, and more.

Finqube.io

I designed the architecture for **Finqube** and developed key components of its **REST API** using **Django** and **Django REST Framework**. The platform integrates multiple technologies to provide a comprehensive stock analysis experience.

• Architecture & API Development

- I was responsible for designing and implementing the overall system architecture and developing a robust **REST API** that powers the platform's core features.

• Frontend Development

- On the frontend, I worked with **React JS** and **Material-UI** to design and develop responsive and user-friendly components that enhanced the user experience.

• AWS Integration

- I integrated **AWS SES** (Simple Email Service) for email notifications and **AWS S3** for file storage and management, ensuring efficient handling of user data.

• AI Integration for Stock Predictions

- I integrated the **OpenAI API** with **Django** to offer **stock predictions** powered by machine learning models, adding advanced features to the platform.

• Data Migration

- To migrate data from the previous website, I wrote a custom **data parser** and designed **migrations** to seamlessly transfer existing data to the new system.

• Server Setup & Deployment

- I configured the **main server** and **staging server** on **AWS EC2 Linux instances**, using **Nginx**, **Gunicorn**, and **Supervisor** for efficient application management and deployment.

• Task Automation

- I automated various tasks such as reminders by creating **custom commands** and **tasks** using **Crontab**, **Celery Worker**, and **Celery Beat**, streamlining operations and improving the platform's efficiency.

Scribbes: The Next Evolution in Social Media

Scribbes is a groundbreaking social media platform that merges the best features of Facebook and Twitter, providing an **interactive experience** for users around the world. With tools for **content sharing, community building, and real-time interaction**, Scribbes allows users to connect, share, and engage like never before, across web and mobile platforms.

Key Features and Functionalities

- **User Profiles and Personalization**
 - Customizable profiles with personal information, recent activities, and media posts
 - **Privacy settings**, friend requests, and options to block unwanted interactions
 - **Profile verification** to build trust and authenticity in the community
- **Content Sharing and Engagement**
 - **Posting Options:** Share text posts, videos, and blogs
 - **Comments and Threads:** Enable in-depth discussions on posts
 - **Explore Feed:** Discover trending content and tailored suggestions
- **Real-Time Interactions**
 - **Chat and Messaging:** Instant messaging with friends
 - **Notifications:** Stay updated on friend requests, comments, likes, and trends
 - **Friend Requests:** Connect and expand your network easily
- **Community Building**
 - Create or join **public or private communities** based on shared interests
 - **Admins manage rules, member requests**, and enforce guidelines for a positive environment
- **Moderation and Admin Tools**
 - **Report Management:** Review and resolve reported content
 - **Community Moderation:** Handle community-specific conflicts
 - **Analytics for Admins:** Access user statistics, engagement data, and content insights
- **User-Controlled Privacy and Security**
 - Control who can view profiles, send messages, or see posts
 - **Account settings** allow for profile verification and monitoring of reported activity
- **Mobile Application Support**
 - Available on **Android and iOS** for seamless access on-the-go
 - Full functionality to post, chat, comment, and manage settings across devices

Scribbes redefines social media by offering a **safe, creative space** for meaningful interactions. With its user-friendly interface, Scribbes aims to make connecting, sharing, and building communities easy and accessible for everyone.

● LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s): **ENGLISH**