

SULEMAN SHAHID

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About Me

Experienced Full Stack Developer with 4 years of experience in designing, developing, and deploying scalable web applications. Strong background in back-end development using Django and Python, with proficiency in cloud platforms like AWS, Azure, DigitalOcean or VPS Servers. Skilled in building and maintaining CI/CD pipelines, containerized environments, and automating deployment processes. Proven ability to work within microservice architectures and optimize cloud infrastructure for performance, security, and reliability.

Education

Pakistan Institute Of Engineering and Applied Sciences (PIEAS) Nov. 2019 – Nov. 2021
MS Cyber Security Islamabad, Pakistan

University of Engineering and Technology (UET) Oct. 2015 – Aug. 2019
BSc. Electrical Engineering Lahore, Pakistan

Experience

Aurix July 2025 – Present
Sr. Full Stack Developer Lahore, Pakistan

- Built and integrated OpenAI GPT-4/5 and AWS Bedrock LLMs to deliver automated multilingual text translation.
- Developed scalable Django/DRF microservices to orchestrate translation requests via async queues, optimizing cost and throughput for high-volume workloads.
- Implemented scalable asynchronous background workflows using Celery to offload heavy processing and achieve high-performance distributed execution across services.
- Built an end-to-end image translation pipeline using Google Cloud Vision OCR to detect multilingual text elements on images and LLM-powered translation (OpenAI/AWS Bedrock), preserving original text coordinates and layout accuracy.
- Designed RBAC and fine-grained access control leveraging Cognito User Pools, Identity Pools, and custom JWT claim mappings to enforce authorization policies across microservices.
- Built automated speech-to-text + translation pipelines using PyDub and LLMs for scalable multilingual audio localization.
- Delivered responsive, scalable user interfaces integrated with Django REST Framework (DRF) APIs, ensuring low-latency real-time interactions across complex workflows.

FalconXoft June 2024 – May 2025
Sr. Full Stack Developer Lahore, Pakistan

- Developed and maintained web apps using **Django**, **DRF (Django Rest Framework)**, **NextJS**, **ReactJS**, **NodeJS**.
- Collaborated with cross-functional teams to design and developed user-centric features across multiple platforms.
- Gained hands-on experience in a **dynamic startup environment**, contributing to **fast-paced project** development and **innovation**.
- Provided ongoing support and optimization for existing **crawlers**, ensuring continuous and efficient operation of **data extraction** processes.
- Use **Django Channels** and **websockets** for real time communication and real time updates for live dashboard with latest data every second.
- Configured and optimized **Nginx** as a **reverse proxy** and **load balancer** for web applications applications, **improving response times** and ensuring **high availability** under **heavy traffic conditions**.
- Containerized and deployed web applications using **Docker** and **Docker Compose** implementing **CI/CD pipelines** through **Github Actions** and **Jenkins** and configuring web servers like **NGINX** on **AWS** and **VPS servers**.

Horizon Tech. Services PVT. LTD. Oct 2022 – August 2024
Full Stack Developer Islamabad, Pakistan

- Managed and monitored Linux-based servers (Ubuntu) for various production applications, ensuring high uptime and minimal downtime.
- Utilized tools like **PM2** and **systemd** to manage background processes and ensure seamless server operations.
- Created and maintained infrastructure documentation, ensuring clear understanding across teams for smooth operations and onboarding.

- Collaborated closely with development teams to streamline the deployment process and improve cloud infrastructure efficiency.
- Developed **OpenStack** integration solutions with a Django backend and React frontend, enhancing cloud infrastructure management.
- Built management portals for **VMware ESXi VMs** using FastAPI and React, simplifying virtual machine management and monitoring.
- Integrated **Kubernetes APIs** through Next.js and Node.js, enabling efficient container orchestration for scalable deployment solutions.
- Managed **container orchestration** using Kubernetes, improving deployment speed and reducing infrastructure costs.
- Deployed **OpenStack** clusters (both single-node and multi-node) and **Kubernetes** clusters, and set up Kubernetes Dashboard for streamlined cluster management.
- Designed and built **UI components** for **C# WPF** desktop applications, improving the desktop application's user interface.
- Build **Scalable Applications** with Django, Celery, and RabbitMQ.

Ceaser Tech

November 2021 – September 2022

Web Developer

Lahore, Pakistan

- Designing, developing, and maintaining modern, responsive websites and web applications.
- Collaborating with cross-functional teams to translate project requirements into functional solutions.
- Writing clean, efficient, and maintainable code using current industry standards and frameworks.
- Ensuring website performance, scalability, and cross-browser compatibility.
- Actively participating in team meetings, code reviews, and deployment processes.

Freelancer

June 2019 – October 2021

Jr. Web Developer

Lahore, Pakistan

- Developed custom full-stack e-commerce platforms, blogging systems, and subscription-based web applications, delivering tailored solutions that meet client needs and business goals.
- Designed and built custom Content Management Systems (CMS), enhancing content creation, management, and publishing capabilities for clients.
- Optimized front-end performance, reducing page load times, improving user experience, and boosting web performance rankings.
- Designed and deployed custom bots and automation scripts to streamline various business processes, enhancing productivity.
- Managed project deployments, including server setups, application rollouts, and continuous delivery processes, ensuring smooth production launches and system reliability.
- Built and maintained backend applications in the Python stack with a focus on scalability, performance, and maintainability.
- Scrape Data from a Website and PDF Document.

Projects

Recital | Whats App Marketing Tool | [Link](#)

- **Recital** is a WhatsApp-based fan engagement platform that helps creators, artists, and small brands directly connect with their audiences through broadcasts, segmentation, and analytics. It replaces reliance on social media algorithms by offering an owned subscriber list, dynamic inbox, and transparent pay-per-message pricing.
- Built **NextJS** Based frontend platform integrated with **DRF** based backend.
- Implement **JWT authentication** based authentication for admins and users.
- Implement **Role Based Access Control (RBAC)** for admins, customer and clients using **custom permissions** and **groups**.
- Integrated **META and Whatsapp Cloud API** for management of **Message Templates, Campaigns**, media handling and **Chat** with customers in real time with **websockets** and **django channels**.
- Integrated **Twilio API** for Number Purchasing, Whatsapp registration (whatsapp senders) and whatsapp management for messages on behalf of customers through **Twilio Programmable APIs**.
- Integrated **Stripe Payment Gateway** and its webhooks for seamless transactions.
- **Real time notification** using **websockets** and **django channels**.
- Use **Redis** to manage message distribution and routing between **websockets** consumers, **restricted** for **authenticated users** only.
- Integrated **Google Meeting Scheduling** for seamless appointment management through **Calendly API** and its **calendly's webhooks**.

- Implemented **periodic background asynchronous tasks** with **celery** and **celery beat** with **redis** as a **message broker** through **retry mechanism** with an **exponential backoff strategy** and store results back to the backend and deployed **celery flower** for **monitoring**.
- Routed failed tasks to **dead-letter-queue** with celery with proper error handling, which later used for message inspection and debugging.
- Deployed celery with optimization configurations like **increase timeout** for large long running tasks, break down large tasks into smaller one with the utilization of **celery chain and chord functions**, setup multiple **celery workers** and concurrency with respective to Server Cores, implemented **task.time_limit**, **worker_maximum_memory_per_child**.
- Implement **rate limiting** through **DRF throttling classes** and **custom middleware** through **redis**.
- Implement a custom data validation pipeline for processing large batches of incoming data through large uploaded files handled by chunks.
- uploaded CSV file

Circledin | *CMS System* | [Link](#)

- Circledin is a platform for users to group together for group discounts on their cell phone plans. Users were already grouping with strangers on Reddit - Circledin provides a trusted and seamless platform to facilitate the entire process - From identity verification and automated billing to onboarding and customer support - while fostering trust between group members.
- Integrated **Stripe**, **GooglePay** and **ApplePay** Payment Gateways for seamless transactions.
- Implementation of **brute-force attack blocking** and keeping **track of suspicious login attempts**.
- Implementation of **multi-language support** feature.
- Web logins using either password or an **external identity provider** like **facebook** or **google** signup.
- Integrated **Zendesk** for Customer Service Support
- Integrate **Hubspot API** for contacts management and marketing.
- Optimize Frontend Loading Speed by achieving more **90% score** on **Google PageSpeed** for both Desktop and Mobile Devices.
- Performed thorough frontend testing using **BrowserStack's Real Device Cloud** to ensure responsive and consistent user experience.
- Implemented a robust **audit logging system** in **Django** using **signals**, enabling **automatic tracking of model-level changes**.

Fairywren | *AI Storybook Generation* | [Link](#)

- Trained a custom OpenAI model on custom data for tailored responses.
- Integrated the trained OpenAI model into the website for real-time AI-powered interactions.
- Integrated Leonardo AI for image generation within the platform.
- Implemented Stripe Payment Gateway for secure and seamless transactions.
- Developed a complete User Dashboard using React and Django for a smooth user experience.

FlagHunter | *Capture The Flag Platform*

- Developed a capture the flag system through django and nextjs.
- Score Board Monitoring System
- Users, Teams Management System.
- Admin Dashboard For Management
- Deployed OpenStack Cluster with One Control Nodes and Two Workers Nodes
- Integrated Openstack APIs to mangement VMS on it through Web App.

RapidStart | [Link](#)

- Dockerized MicroServices Based Architecture
- Automations And Campaigns Management
- Customer Playground for pathways
- Events Management System
- Logs Management System
- Inetrated Payment Gateways
- Separate User and Admin Management Portal

ALUM | *Academics Learning University Management System*

- Developed Virtual Learning Environments in order to expand knowledge and learning and Admin Management System which contains billing system, applications processing within reasonable time. Along with we have also started CV Templates Maker where users can get their CV in specific template by providing their data.

Creative Human Evolution | *OpenAI Whisperer Model Integration* | [Link](#)

- integrate OpenAI and OpenAI Whispere Model
- Trained Open AI Model through Prompt Engineering
- Use OpenAI Whispere Model for speech to text recognition.

Skills

Languages: Python, C, JavaScript

Backend Development: Django, DRF, FastAPI, Flask, NodeJS, NestJS, ExpressJS, Prisma, GraphQL

Frontend Development: ReactJS, NextJS, Tailwind CSS, Bootstrap, AntDesign, jQuery, AJAX

Web Scraping, Automation and Scripting: Bash Scripting, Python, BeautifulSoup, Selenium

Databases: PostgreSQL, MongoDB, Redis

Containerization and Orchestration: Docker, Docker Compose

Cloud Platforms:: AWS, Azure, OpenStack, ESXI, DigitalOceans

CI/CD: Jenkins, Git Actions

Version Control: Git, GitHub

Web Servers: NGINX, Apache

Messaging and Task Queues: Celery, Celery beat, Celery Flower

Monitoring and Logging: Grafana, Prometheus, ELK Stack (Elasticsearch, Logstash, Kibana), cadvisor

Realtime: WebSockets, Webhooks,

CRM: Shopify, Shopify Theme Development, Shopify Theme Customization, Shopify App Development

Third Party API Integration: Twilio (SMS, Voice, WhatsApp), WhatsApp API, Telegram Bot API, Stripe, Paypal, HubSpot (CRM and Marketing Automation), SendGrid (Email API), Slack API (Communication and Bots), Shopify API (E-Commerce Integration), Mailchimp (Email Marketing API), Braintree, Calendly API, OpenAI, Leonardo, META