SULEMAN SHAHID

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About Me

Experienced Full Stack Developer with over 5 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

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 and ExpressJS.
- Implemented websockets and webhooks for real-time communications.
- 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.
- Configured and optimized Nginx as a reverse proxy and load balancer for Django and Node.js applications, improving response times and ensuring high availability under heavy traffic conditions.
- Integrated third-party APIs for enhanced functionality and automation.
- Experienced in working with high-volume applications, focusing on database query optimization and implementing caching solutions using Memcache, Redis, and similar technologies.
- Led the migration from monolithic architecture to microservices, improving scalability, maintainability, and development agility.
- Implemented OAuth 2.0 and role-based access control (RBAC), enhancing platform security and ensuring proper user access management.
- Hands-on experience in Frontend-Backend integration, optimizing performance, security, and scalability.
- Implemented State Management through Redux and Context API for React Based Applications.
- Implemented Typescript for react-based applications and used TailwindCSS, AntDesign or bootstrap for frontend development.
- Collaborated with cross-functional teams to design and developed user-centric features across multiple platforms.
- Created automation scripts and performed web scraping through BeautifulSoup, Selenium or Scrapy to streamline business operations.
- Gained hands-on experience in a dynamic startup environment, contributing to fast-paced project development and innovation.
- Used Celery as Tool for running background tasks so that the end-user is not pending for the process on the backend.

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.
- Integrated monitoring and alerting systems using Grafana and Prometheus, enabling proactive detection of system anomalies before they impact users.
- Set up centralized logging using the ELK stack for improved visibility and debugging across services.
- 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.

- Integrated background job processing systems such as Celery and Redis for managing long-running tasks in production environments, improving system performance.
- Developed Python and Bash scripts to automate manual processes, including log aggregation, data backups, and system health checks, reducing operational overhead.
- 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.

- Implemented monitoring and logging tools to identify and resolve performance bottlenecks, ensuring high application reliability.
- Utilized Docker for containerizing applications and deploying them in isolated environments to streamline development and production workflows.
- Understanding of web security principles and best practices.
- Experienced with event-driven programming in Python.
- Hands-on experience with asyncio, threading, and multiprocessing, along with a strong understanding of synchronization and concurrency challenges.

Freelancer   **June 2019 – October 2022**

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.
- Integrated major payment gateways like PayPal, Stripe, and others into websites, enabling secure and efficient payment processing.
- Optimized front-end performance, reducing page load times, improving user experience, and boosting web performance rankings.
- Developed web scraping solutions to extract and process large-scale data, helping clients gather critical insights for decision-making.
- Worked with the Scapy, BeautifulSoup, Selenium, Scapy for webscraping and autumation
- Built real-time monitoring systems using WebSockets and Django Channels, providing instant updates and notifications to users.
- 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.
- Optimization of performance and bug fixing.
- Configured and optimized Nginx as a reverse proxy.
- Celery to perform background tasks
- Developed web projects and digital services using Django, Python, DRF, Docker, and PostgreSQL, ensuring high-quality, maintainable, and scalable web solutions for clients.
- Provided ongoing support and optimization for existing crawlers, ensuring continuous and efficient operation of data extraction processes.
- Developing and enhancing Django projects as websites or web apps.
- Web logins using either password or an external identity provider (django-allauth).
- Implemented Pytest-based unit tests to enhance code reliability and stability.

Projects

Recital | *Whats App Marketing Tool*
- Integrated Stripe Payment Gateway for seamless transactions.
- Developed a complete User Portal and Admin Dashboard using Django and NextJS.
- Implemented Meta API, Whats APP Business API, Twilio API, Calendly API for enhanced platform interactions.
- Set up webhooks to handle real-time events efficiently.
- Built socket-based chat functionality for instant messaging.
- Integrated Google Meeting Scheduling for seamless appointment management.

Circledin | *CMS System*
- Premium Cell Phone Plans without the Premium Prices Stop overpaying on your monthly cell phone bill. Keep your existing Verizon or T-mobile plan. Group together and save together
- Integrated Stripe and BitPay Payment Gateway for seamless transactions.

Fairywren | *AI Storybook Generation*
- 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 | *CMS and Marketing Tool*
- Dockerized MicroServices Based Architecture
- Automations And Compaigns Management
- Customer Playground for pathways
- Realtime Chat System
- Events Management System
- Logs Management System
- Inetrated Payment Gateways
- Separate User and Admin Management Portal

Technical Skills

- Python
- Django
- FastAPI
- NodeJS
- ExpressJS
- ReactJS
- NextJS
- PostgreSQL
- MongoDB

Additional Skills

Backend Development: Flask, NestJS, Prisma, Drizzle, GraphQL, Redis, Firebase
Frontend Development: TypeScript, Tailwind CSS, Bootstrap, AntDesign, Shadcn UI
Web Scraping, Automation and Scripting: Bash Scripting, Python, Scrapy, Beautiful Soup, Selenium
Containerization and Orchestration: Docker, Docker Compose, Kubernetes
Cloud Platforms:: AWS, Azure, OpenStack, ESXI, DigitalOceans
CI/CD: Jenkins, Git Actions
Version Control: Git, GitHub
Web Servers: NGINX, Apache
Messaging and Task Queues: RabbitMQ, Celery, Celery beat, Kafka
Monitoring and Logging: Zabbix, Grafana, Prometheus, ELK Stack (Elasticsearch, Logstash, Kibana),
Networking and Security: WireShark, Burp Suite, Wazuh
Realtime: WebSockets, Webhooks, WebRTC
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