phase 1, DHA, Lahore

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ABDUL WAHAB TARIQ

OBJECTIVE	A full-stack web developer with a rich portfolio of achievements spanning over 5 years. Taking pride in my adaptability, seamlessly transitioning between frameworks to meet project-specific requirements. Dedicated to delivering high-quality solutions that make an impact in the industry.
PROFESSIONAL PROJECT EXPERIENCE	**CYBERNETIQ – OTTAWA, ON CANADA** ● Developed a sophisticated analyzing tool using multiple tech stacks such as React, Python(Flask), PHP, Neo4J (graphing database), and Rust. ● Dockerized the entire project, managing over 20 docker containers communicating with one another. ● Integrated THREE JS, D3, Reaviz, GLOBE.gl, and other data visualization tools. ● Designed an intuitive user interface for visualizing complex datasets efficiently. ● Implemented intelligent architectural decisions to ensure optimal performance, even with millions of dataset rows. ● Leveraged efficient data structures like dictionaries, circular linked lists, and others to enable constant time retrievals and setters, keeping in mind time and space complexities for efficient data processing. ● Ensured the synchronization of REST calls, encrypted bytes of messages over websocket protocols using NATS.io. ● Dealt with network management and various security specific network protocols, certificate management, secret keys, and confidential data as well as maintaining a dedicated licensing server. ● Integrated and managed Neo4j, a graphing database, for node and connection management, processing and storing datasets of gigabytes in size. ● Myself designed accessibility tools such as custom, multi-functional radial menus, node highlighters, and versatile hover functionalities and many more. ● Wrote Bash/Shell scripts. **FENCE & DECK CONNECTION - MILLERSVILLE, PENNSYLVANIA** ● Integrated Stripe as a payment gateway for both recurring payments (subscriptions) and one-time transactions across three Angular v14 based portals integrated with Firebase. ● Utilized ngx-stripe elements in Angular to handle Stripe elements securely and encrypt data for transactions and REST API calls. ● Integrated Firebase Realtime Database to store and manage data. ● Implemented Firebase Cloud Functions for serverless logic. ● Configured user authentication using Firebase Authentication. ● Implemented auth guards to secure routes and efficient component management using lazy loading. ● Ensured the secure management of Stripe secret keys and environment variables. ● Created dedicated services for modules to optimize data management.

- Utilized Angular Material UI for payment steppers and various UI elements, ensuring a smooth and intuitive user experience.
- Implemented NgRx store for global state management, enhancing data handling and consistency.
- Deployed cloud functions on Google Cloud Platform (GCP).
- Conducted local unit testing of cloud functions using Firebase CLI emulators.
- Integrated Firebase Realtime Database with Microsoft Business Central for ERP data management.
- Facilitated data synchronization between the database and the ERP system using cron jobs.
- Hosted payment portals using Firebase Hosting services.
- Managed email communication within the project using firebase Email service.

TOTAL HEALTH DENTAL CARE (THDC) - OAKLAND, CALIFORNIA

- Engineered an expansive EMR system for Total Health Dental Care in the Bay Area, incorporating a comprehensive appointment booking module accessible via the web.
- Spearheaded the development of both iOS and Android patient-oriented mobile applications, along with a scheduling interface optimized for internal customer support teams.
- Developed a real time conversation chat messenger between providers and patients using Twilio and secure, protected websockets.
- Added MFA (Multi factor authentications) for providers using Twilio conversation and calling services and Sendgrid for email generation for successful logins/ and session management using limited time OTPs ensuring security and reliability of the tool.
- Additionally, constructed a robust CRM platform enabling clinics to streamline daily operations and gain deep analytical insights into their business metrics.

ESCRIBE-MD (SCRIBBLE) - WINNIPEG, MB CANADA

- Developed a HIPAA-compliant SAAS tool for the health providers.
- Implemented AI for generating SOAP (Subjective Objective Assessment Plan) notes and meeting notes for healthcare providers and their respective patients.
- Architected the project with React for the client-side application, and Python Django for the server-side with dedicated docker containers for both sides.
- Managed environment variables securely using AWS Parameter Store.
- Implemented Single Sign-On (SSO) login for enhanced security during development.
- Utilized AWS S3 buckets for storing artifacts and data.
- Deployed the application using EC2 instances and ECR for docker image management.
- Integrated NATS.io as a secure TLS WebSocket for real-time encrypted messaging.
- Integrated AssemblyAI for real-time speech-to-text transcription.
- Managed live data handling and real-time data management using Redux and reusable components.
- Implemented CRUD (Create, Read, Update, Delete) operations for S3 buckets to handle data and artefacts efficiently.
- Managed authentication using CSRF tokens in Django for secure communication.
- Implemented client-side authentication for user access control.
- Integrated a compliant version of GPT for handling sensitive data for AI-generated responses and interactions.

SKILLS	JavaScript, Typescript Python, Django, Websockets HTML/CSS, Angular, REACT NodeJS, Nginx, Stripe, Twilio Bootstrap, Docker, NATS MEAN, MERN AWS, CodeCommit, s3, EC2, ECR Postgres, Neo4j, Parse (BaaS)
WORK HISTORY	**SOFTWARE ENGINEER**, **DEVFLOVV** February 2022 – PRESENT **SOFTWARE ENGINEER, EMBLEM TECHNOLOGIES** October 2020 – December 2021 **SOFTWARE ENGINEER, AFINITI SOFTWARE SOLUTIONS LTD.	INTERNEE** August 2019 – October 2019 **DIRECTOR IT, FORMAN CHRISTIAN COLLEGE** August 2018 – June 2019
EDUCATION	**BACHELORS IN COMPUTER SCIENCES, LAHORE, PAKISTAN** **2017-2021** Forman Christian College University **Verified International Academic Qualifications** **2015-2017** Certified through **World Education Services**