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Muhammad Saeed

SUMMARY

As a GCP Cloud Architect proficient in tools such as Compute Engine, Kubernetes, Docker, VPC, Cloud Storage, and BigQuery, my expertise extends to optimizing cloud solutions. Additionally, I am skilled in React, Node, and other technologies. Successfully delivering projects in Real Estate, Social Media, Ecommerce, and Construction, I prioritize continuous learning to stay ahead. My focus on automating processes and enhancing system reliability aligns with the dedication of a DevOps Enthusiast, defining my approach to Cloud Architecture.

SKILLS

Cloud Technologies: GCP, AWS
GCP Services: Compute Engine, Cloud Run, GKE, VPC, Cloud Storage, Cloud SQL, Serverless Functions, Dataflow, Dataproc, Big Query
AWS Services: AWS EC2, Lambda, VPC, S3, AWS Glue, AWS Athena, AWS Redshift
Containerization: Docker, Docker Compose, Kubernetes
CI/CD Tools: GitHub Actions
Data Tools: Apache Spark, Apache Beam, Apache AirFlow

Web Technologies: React, Nextjs, Vue, Nuxtjs
Mobile Technologies: Flutter, React Native, Native iOS SwiftUI
Backend Technologies: Nodejs, Expressjs, Nestjs
Database: Firebase Firestore, MongoDB, Postgres, Supabase
Scripting Languages: Bash, Python
IaC Tools: Terraform

EXPERIENCE

Trth.Ai, USA – Solution Architect & Frontend Web Developer

Sep 2023 – Jan 2024

- **GCP Account Setup & Service Utilization:**
 - Successfully configured a GCP account, implementing key services such as Cloud Storage, Firestore, Function, and PubSub for optimal platform functionality.
- **Highly Responsive Website Development:**
 - Designed and developed a fast, optimized React website, ensuring a seamless user experience.
- **Efficient CI/CD Pipeline Implementation:**
 - Established a streamlined CI/CD pipeline using GitHub Actions, enhancing the efficiency of the build flow.

- **Next.js-Powered Landing Page Creation:**
 - Crafted a responsive landing page utilizing Next.js, combining modern design principles with advanced web development.
- **Architectural Design Leadership:**
 - Led architectural design efforts, aligning system architectures with precise business objectives and scalability requirements.
- **Technology Optimization:**
 - Applied cutting-edge technologies and industry trends to optimize infrastructure, boosting overall application performance.
- **Knowledge Sharing & Team Enhancement:**
 - Promoted knowledge sharing through conducting training sessions, contributing to the elevation of the team's skills.
- **Near-Zero-Downtime Deployments:**
 - Achieved near-zero-downtime deployments by orchestrating CI/CD pipelines with meticulous attention to detail.
- **Incident Response & Disaster Recovery Expertise:**
 - Developed robust incident response and disaster recovery plans, minimizing downtime and data loss during critical incidents.
- **Technology Evaluation & Documentation:**
 - Evaluated emerging technologies, tools, and services for potential adoption, considering their impact on system architecture.
 - Maintained comprehensive documentation of system architectures, best practices, and architectural decisions.

MealkitMaker Inc, USA – Lead Flutter Developer

July 2022 – March 2023

- **Cross-Platform Functionality:**
 - Implemented Flutter for cross-platform mobile app development, ensuring compatibility across various devices and operating systems.
- **Dynamic Web Presence:**
 - Established a dynamic online presence through the Next.js promotional website, incorporating modern design elements for an interactive user experience.
- **Cost-Effective AWS Management:**
 - Managed AWS EC2 instances efficiently, optimizing costs and resources to achieve a cost-effective infrastructure.
- **Scalable Infrastructure Design:**
 - Designed the AWS EC2 hosting architecture to be scalable, accommodating potential growth and ensuring optimal performance.
- **Performance Optimization:**
 - Applied optimization techniques to enhance the performance of the Flutter mobile app, ensuring responsiveness and smooth user interactions.
- **Stripe Payment Integration:**
 - Integrated Stripe for secure and efficient payment processing within the mobile app and website, providing a seamless transaction experience.
- **CI/CD Pipeline with Codemagic:**
 - Implemented a streamlined CI/CD pipeline using Codemagic, automating the build and deployment processes for both the mobile app and website.
- **Monitoring and Analytics:**

- Implemented monitoring and analytics tools Firebase Analytics to track the performance of the Flutter app and Next.js website, enabling data-driven optimizations.

Atqan, PAKISTAN – *Solution Architect (Contract)*

Jan 2021 – March 2021

- **React Web Development Excellence:**
 - Spearheaded the advancement of the platform's web interface, exhibiting proficiency in React to deliver a sophisticated, modern, and highly responsive user experience.
- **Node Express Backend Mastery:**
 - Engineered the backend infrastructure with Node Express, showcasing prowess in crafting a robust foundation for seamless data processing and flawless frontend-backend communication.
- **Firebase-Powered Database Innovation:**
 - Orchestrated the integration of Firebase as the database solution, harnessing its real-time capabilities for dynamic and scalable data storage, ensuring optimal performance.
- **Strategic Cloud Functions Implementation:**
 - Implemented strategic Cloud Functions within Firebase, introducing serverless and event-driven functionality to elevate the platform's capabilities.
- **Efficient Cloud Storage Integration:**
 - Executed seamless integration with Firebase Cloud Storage, optimizing storage solutions to accommodate diverse multimedia assets associated with the platform.
- **Global Firebase Hosting Excellence:**
 - Hosted the platform with precision on Firebase Hosting, establishing a secure and globally scalable environment for the React web application.
- **Collaborative Development Leadership:**
 - Led collaborative efforts within the development team, ensuring seamless integration between frontend and backend components to deliver a cohesive and polished platform experience.
- **Scalable Database Architecture Design:**
 - Designed a scalable database architecture, strategically supporting the platform's anticipated growth while ensuring optimal performance.
- **Real-time Data Capabilities Implementation:**
 - Leveraged Firebase's advanced real-time database features, enabling dynamic and instantaneous updates of data across the platform for a cutting-edge user experience.
- **Rigorous Security Measures Implementation:**
 - Implemented rigorous security measures, safeguarding user data and ensuring secure communication channels between the React frontend and Node Express backend using Firebase Rules.
- **Holistic Performance Optimization:**
 - Executed comprehensive performance optimization initiatives for both the React web application and Node Express backend, guaranteeing a seamless and high-performance user experience.

EDUCATION

Sir Syed University of Engineering & Technology, KARACHI PAKISTAN
– *BS in Computer Engineering*

Oct 2022 – Feb 2026

CERTIFICATION

Google Professional Cloud Architect - (Scheduled)