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# Farooq Saeed

## Backend Developer

Islamabad , Pakistan

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## SKILLS

**Back-end:** Node.js, Express.js, Nest.js, Laravel, Rest APIs , GraphQL.

**Database:** MySQL , PostgreSQL , MongoDB , Firestore , Redis.

**Programming Languages:** JavaScript, TypeScript, PHP, Python.

**Cloud:** AWS (EC2, S3 , VPS , Lambda) .

**CI/CD:** Docker , Kubernetes , Github Actions.

**Testing:** Unit Testing , Integration Testing , Functional Testing.

**Architecture and Patterns:** Model-View-Controller (MVC) , Microservices , Object-oriented Programming , Functional Programming , Feature Driven Development (FDD) , Test Driven Development (TDD) .

## EXPERIENCE

### Oengoo – Your Fitness Partner, Islamabad- *Backend Developer*

Feb 2022 - PRESENT

- Designed and developed the **backend architecture** for the "Onegoo" mobile application, focusing on **scalability, performance, and security**.
- Created and implemented a robust **database design**, optimizing data structures and ensuring efficient data retrieval and manipulation.
- Developed **REST APIs** to facilitate seamless communication between the mobile app and the backend, enabling smooth user interactions and data synchronization.
- Built a user-friendly **dashboard** for administrative tasks, allowing efficient management of user accounts, content, and analytics.

### AptechMedia, Islamabad- *Backend Developer*

Jan 2020 - Jan 2022

- Led end-to-end **project development lifecycle**, starting from requirement analysis and design to deployment and maintenance.
- Designed and optimized databases using **MySQL, PostgreSQL** and **MongoDB**, ensuring efficient data storage, retrieval, and scalability.

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- Developed **REST APIs** using **Laravel PHP** and **Node.js (Express)**, facilitating seamless communication between front-end and back-end systems.
  - Built user-friendly **dashboards**, providing clients and administrators with intuitive interfaces for managing data, content, and analytics.
  - Leveraged **Socket.IO** to develop **real-time communication** features, enabling interactive and dynamic experiences within web applications.
  - **Collaborated closely with front-end developers** to integrate APIs and ensure smooth data flow and functionality across the application.
  - **Deployed** web applications on **server environments**, configuring and optimizing server-side settings for optimal performance.
  - Conducted thorough **testing** and **debugging**, identifying and resolving issues to maintain stable and reliable backend systems.

## EDUCATION

**Abbottabad University of Science and Technology, Abbottabad- MSc**  
*Computer Science*

Oct 2017 - Sep 2019

## PROJECTS

→ **Project Title:** Oengoo - Your Fitness Partner

**Project Description:** Oengoo is an innovative gamified steps counting app designed to motivate and engage users in achieving their fitness goals. With a focus on promoting physical activity and fostering a sense of community, Oengoo provides users with a dynamic platform to track their daily steps and compete with others.

**Role:** Backend Developer

**Technologies Used:**

Nodejs, ExpressJs, Socket.io, MongoDB, REST APIs, AWS

→ **Project Title:** Poker King

**Project Description:** Poker King is an online WebGL game that can be played through a web browser. The game requires MetaMask, a cryptocurrency wallet, to connect with and make payments in Ethereum.

**Role:** Backend Developer

**Technologies Used:**

Nodejs, ExpressJs, Socket.io, MongoDB, REST APIs, AWS

→ **Project Title:** Sativa Holding

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**Project Description:** Sativa Holding is an investment platform that undertakes cannabis farming investment in Thailand. The company focuses on delivering value and generating profits for its investors by undertaking vertical farming of grade AAAA++ strains of cannabis.

**Role:** Backend Developer

**Technologies Used:**

Nodejs, ExpressJs, Socket.io, MongoDB, REST APIs, AWS

→ **Project Title:** SEHAT

**Project Description:** SEHAT is Afghanistan's foremost e-healthcare service that has the objective of bringing the community closer to online health services in the country.

**Role:** Backend Developer

**Technologies Used:** Laravel, MySQL, REST APIs

→ **Project Title:** ScanBiolab

**Project Description:** Scan biolab offers a convenient solution for receiving test results directly on your phone. Using a unique QR code, users can access their test status and the status of others who also have the app.

**Role:** Backend Developer

**Technologies Used:** Laravel, MySQL, REST APIs

→ **Project Title:** KP Tevta Job Portal

**Project Description:** KP Tevta Job Portal is a robust job portal app that aims to connect job seekers with relevant employment opportunities in the Khyber Pakhtunkhwa region of Pakistan.

**Role:** Backend Developer

**Technologies Used:** Laravel, MySQL, REST APIs

## LANGUAGES

**English:** Professional