Muhammad Afnan
Fullstack Developer - Web / DevOps / Android / Sharepoint

Experienced Full Stack Software Engineer with overall 5+ years of expertise in web and android app development across diverse domains, including E-Commerce, Travel & Tourism, Real Estate, GIS and Government Departments (Power Sector, Space Tech, COMSATS). Proficient in both front-end and back-end technologies, with expertise in Full Stack Development, Java, SpringBoot, .Net Minimal API, Micro-services, Containerisation, Cloud Computing, and DevOps tools, 3-Tiered Architecture, Event Driven Architecture, integration of 3rd Party Application, Android App development, Java, Kotlin MVVM, MVP, Server Side Rendering, RestApi Integration and implementation of DevOps practices for accelerated deployment.

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Work Experience

Assistant Manager Software (DevOps)
National Transmission & Dispatch Company - Onsite
Ministry of Energy (Power Division) - National Grid

03/01/2022 to Present - 1 Year - 9 Months
Achievements/Tasks
- Played a key role in the World Bank-funded ERP/ICT program at NTDC, a project involving over 15,000 employees, in collaboration with Siemens, Systems Limited, and PWC (PMQA)
- Engaged with consultants and vendors to gather project requirements and comprehensively understood the business needs in order to prepare, Functional Specification Documents (FSDs), and Technical Design Documents (TDDs).
- Collaborated with Systems Limited and PWC on an Enterprise Content Management (ECM) initiative, successfully implementing document storage solutions and departmental portals using Microsoft SharePoint and to establish a seamless process for storing SAP ERP documents and content in Microsoft SharePoint by leveraging SAP PI/PO and SharePoint REST API integration
- Led the integration of third-party applications, including SCADA, with SAP PI/PO, streamlining data exchange
- Successfully implemented seamless SMS Metering integration using Apache Kafka within a Spring Boot application, facilitating real-time data streaming and enabling an event-driven architecture
- Introduced DevOps practices, leading to a 50% reduction in deployment time in collaboration with our in-house dev team
- Conducted training sessions for over 500 employees on office automation as a crucial component of change management

Web & Application Developer
National Center of GIS & Space Application - Onsite
Institute Of Space Technology - Ministry Of Defence

02/04/2021 to 02/01/2022 - 9 Months
Achievements/Tasks
- Experienced as a full-stack web and app developer, responsible for developing entire websites & Portal from scratch based on business requirements and integrating them with existing functionalities
- Responsible for leading User Acceptance Testing (UAT) sessions with clients and seamlessly incorporating their feedback and requested changes
- Responsible to hand over the technical and application knowledge to train the end users
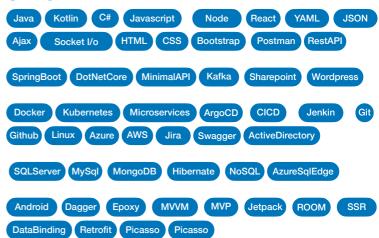
Web & Application Developer
COMSATS Software Solutions Islamabad - Onsite
COMSATS Islamabad - Ministry of IT/Telecom

29/06/2020 to 01/04/2021 - 9 Months
Achievements/Tasks
- Served as a Lead Android Developer and a valuable member of the backend team, contributing to the successful execution of numerous Government and International projects across UK,UAE
- Implemented industry-standard development practices to enhance the maintainability and extendability of applications
- Designed and developed a comprehensive application from the ground up, utilizing the MVVM architecture with a Single Activity structure. Implemented Rest API Integration, integrated Google Location/Map API, Firebase services, and integrated payment gateways such as Stripe and Paypal for seamless functionality.
- Mentored team members, and actively contributed to the team's growth and development

Skills

Java · Kotlin · C# · Javascript · Node · React · YAML · JSON
Ajax · Socket I/o · HTML · CSS · Bootstrap · Postman · RestAPI

SpringBoot · DotNetCore · MinimalAPI · Kafka · Sharepoint · Wordpress

Docker · Kubernetes · Microservices · ArgoCD · CICD · Jenkin · Git
Github · Linux · Azure · AWS · Jira · Swagger · ActiveDirectory

SQLServer · MySql · MongoDB · Hibernate · NoSQL · AzureSqlEdge

Android · Dagger · Epoxy · MVVM · MVP · Jetpack · ROOM · SSR
DataBinding · Retrofit · Picasso · Picasso

Key Highlights

- Over 5 years of experience in designing, developing, and testing web applications and native Android apps.
- Staying updated with emerging trends and technologies in DevOps and cloud computing, including expertise in installing and configuring Kubernetes using Kubeadm on AWS VM.
- Deployment of web applications using multiple tools, including GitHub for Version Control, Jenkins for CI/CD, Docker for containerization, Kubernetes for container orchestration, and ArgoCD for GitOps for cluster monitoring and continuous delivery.
- Proficient in designing and developing tiered web applications following Agile practices, utilizing Microsoft .NET framework, C# Web API, Spring Boot, Node.js, Kafka, microservices, Linux, AWS, Postman, Swagger/OpenAPI, and Git/GitHub for version control.
- Proficiency in programming languages: Java, C#, Node.js, React, HTML/CSS, Bootstrap, HTML5, jQuery, JavaScript, JSON, Rest APIs, SharePoint, SharePoint Designer Workflows 2013, PowerShell, SQL Server, MySQL, and MongoDB.
- Proficient in developing native Android apps using Java/Kotlin, MVVM, MVP, Dagger2, Retrofit, XML, two-way Data Binding, Navigation Components, SQLite, Room, Google Maps, server-side rendering (Epoxy Airbnb), API integration, and payment gateway integration with PayPal, Stripe, Network International, Firebase, WebSocket, and Socket IO.
- Experience working in sprints and release cycles, managing sprint backlogs, and participating in sprint planning and retrospective meetings to improve project delivery.
- Diverse development experience across different sectors, including E-Commerce, Travel & Tourism, Healthcare, Real Estate, Corporate, and Government Departments (Power sector, Space Technology, and COMSATS) in the Middle East, Europe, and public and private sectors.
- Familiarity with attending client meetings, handling user requirements, and bug fixing.
- Excellent communication, collaboration, and presentation skills.

Web & Application Developer
Cosmosoft Business Solutions Lahore - Onsite
01/02/2018 to 14/06/2020 - 2 Years 4 Months
Achievements/Tasks
- Responsible to develop & manage the projects development team working as onsite & offshore within the estimated timeline with multiple projects from Middle East
- Collaborated with cross-functional team to implement new features
- Proposing efficient and scalable solutions for client requirements
- Responsible to conduct the UAT sessions with client and demo the incorporated changes

Web & Application Developer
KPK Travels Dubai UAE - Onsite
01/01/2019 to 24/08/2019 - 9 Months
Achievements/Tasks
- Developed new features for existing Android applications used on phones and tablets, worked with developers to develop top tier solutions for Airline customers
- Successfully Integrated App with Travels Port REST API
- Developed application that are compatible with Android versions 6 and above

Mobile App Developer
800-Pharmacy Dubai UAE - Onsite
25/08/2019 to14/06/2020 - 9 Months
Achievements/Tasks
- Designed and built e-commerce pharmacy applications from scratch for Android platform, and collaborated with cross-functional teams to define, design, and launch new features and successfully deployed to playstore with 50k+ downloads
- Design and develop a large-scale E-Commerce, visually appealing, modular Android application capable of integrating multiple custom libraries and securely uploading data to servers asynchronously on a frequent periodic basis
- Successfully deployed an app on the Android App Store and supported the app for multiple Android OS releases
- Developed and tested push notifications functionality
- Integrate App with Network International Payment Gateway

Internship / Part-Time Job

Android Trainer
Zabeel International Institute Dubai - onsite
10/05/2019 to 03/01/2020
Achievements/Tasks
- I have successfully trained over 100 trainees in advanced Android app development, including comprehensive instruction on integrating backend APIs and Firebase.

Android Internee / Part Time Job
ZTABS Enterprise Solutions Abbottabad - Hybrid
10/01/2016 to 03/03/2017
Achievements/Tasks
- Worked on existing apps small-medium projects from freelancer US base clients and company products
- Fixed bugs and improved performance in the existing projects

Trainings / Workshops

- **DevOps Training**
  Dice Analytics — 8 Weeks/Online

- **Full Stack App Development - Onsite**
  KP IT Board Peshawar — 3 Months/Onsite

- **Web Development**
  COMSATS IT Center — 2 Months/Onsite

- **Mobile App Development**
  ZTABS Enterprise Solution — 2 Months/Onsite

- **Galileo for Travel Professional**
  Travelsport UAE — 3 Days/Onsite

Education

BS Software Engineering
COMSATS University Abbotabad   *March 2014 to January 2018*

PROJECTS

ECM, E-Governence & Portals - Government
National Transmission & Dispatch Company
- Back-end development with .NET Core Web API, SharePoint, and 3-tier architecture (WFE, App, and DB layers). I've created custom site templates, web parts, workflows, managed Active Directory, and conducted SQL Server database modelling

NCGSA Website & Content Managemt System
National Center of GIS & Space Application
- Worked as full stack web & app developer and develop & maintain company website from scratch using React, .Net Core, SQL Server

800-Pharmacy E-Commerce App - Medicine Delivery
Marina Group of Pharmacies Dubai UAE - Onsite
- Design & Developed E-Commerce App where customer can view products, order medicine and track order on real time
- Integrated location based services using Google Maps API to display locations of Riders & real time tracking using socket.io
- Worked with Firebase and implement push notifications on apps
- Worked on Google Maps API for location tracking ,places API
- Experience with offline storage, threading, and performance tuning
- Integrate App with Network International Payment Gateway

KPK Travels App - Travels & Tourism
Akbar Group of Travels Dubai UAE - Onsite
- Worked onsite on UAE based travel app as full stack developer on existing application using Java,MVP, Dagger2, Room and integrated with Travelport Rest API ,fixed bugs & add new features
- Design, Developed Rest API using Spring Boot for app integration

Rightmove Real Estate App UK - Sell & Buy Property
COMSATS Software Solution - Offshore Development
- Developed UK based complete Real Estate application from scratch where customer can buy, sell & rent property by using Kotlin, MVVM, Dagger2,Firebase,
- Design & Developed Rest API using Spring Boot for app Integration
- Integrate apps with Rest API, Google Location/Map API, Firebase

Dreamshopping E-Commerce App - Android
COMSATS Software Solution - Offshore Development
- Add new features to existing e-commerce app, fixed bugs and improving application performance
- Integrate app with Rest API, Google Location/Map API, Firebase
- Successfully integrated app with payment gateway Stripe & Paypal

Shipster - Delivery Management Software
COMSATS Software Solution - Offshore Development
- Developed complete delivery management application (Web & Android) with real time tracking drivers and order management
- REST API development using Node Js, Express Js for external app integration, React for Frontend, MongoDB as database
- Developed Android App for Driver & Customer App using kotlin, MVVM, Room, 2 way data binding, Dagger 2, Room, SQLITE, Firebase and real time tracking using Socket.io & API Integration

SARP - ERP Integration
Cosmosoft Business Solution Lahore - Onsite
- Design & Customize existing web application using ASP.NET MVC, SQL Server and mobile app using XML, java, SQLite

Invoice Quickly Web App - SaaS based invoicing
ZTABS Enterprise Solution USA - Offshore Development
- Invoice Quickly is a SaaS based invoicing platform which helps freelancers, small/medium sized businesses and self-employed people create and send invoices
- Design and Develop Rest APIs using ASP.NET MVC for external application integration

Profile App - Implementation of DevOps Tools (R&D)
- Developed a personal project containing dockerized images for different types of applications and the best practices for creating docker images deployed to AWS Clouds using DevOps/GitOps tools like Git, Github, Docker Containers, Jenkins, Kubernetes, Helm, Terraform & ArgoCD