Curriculum vitae

PERSONAL INFORMATION

Abdullah Farooq

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Gender Male | Date of birth 28/10/1994

WORK EXPERIENCE

Dec 2021 – Present

Chief Technology Officer (Startup, Part-time)

Gawalla,Faisalabad, (Pakistan)

- Introduced GraphQL code first approach for API development results in reduced friction between front-end and backend teams.
- Evaluated candidate for this startup based on skills as well as values resulting in a more sustainable environment for the company.
- Introduced state management on the client-side application which increases the reactivity of application by 20% (**StrawberryShake**,)
- Define MVVM architecture and developed source generators on the client side helped 70% test coverage and 80% code reusability.
- Introduced GitHub copilot for repeated tasks and code quality in the team resulting in a 20% increase in Productivity and a 10% decrease in development time.
- Used low-cost arm-based virtual machines Development and Testing product suite results in a reduction of initial development cost by 50% (**Oracle Cloud**).
- By introducing Kubernetes, management of the application is easy and scalable, resulting 20% decrease in time to deliver the product.
- Since the Gawalla product suite contains multiple domains, by introducing microservices architecture along with **Domain Driven Design**, the product suite becomes more scalable and maintainable in the long run.
- Implement GraphQL gateway through schema stitching of all separate GraphQL services into one schema resulting in a single point of connectivity of all the client applications.

Aug 2022 – Present

Principal Software Engineer (Remote, Full-time)

Tenx, Stamford, (USA)

- Refactored SQL queries for performance yielded a 20% increase in application overall performance.
- Design and architect new modules of application results in the reduction of time to complete the feature by 30%. (**Clean Architecture**, OOD, draw.io)
- Define SQL code standards while implementing an analytical mobile app, reducing overall development overhead by 10%. **SQL**
- Introduced migration-based strategy for database changes results in rollback capability of migration scripts after deployment.
- Implemented clean architecture by separating queries and commands resulting in clean code and easy maintenance.
- Introduced the concept of aggregating common UI components into a reusable UI component library resulting in increased code reusability and reduced development time.

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Jun 2021 – June 2022   **.Net Consultant (Remote)**

Telebu Communications, Hyderabad, (India)

- Maintains the chat application called Press3 chat and provides further feature development (C#, **Mysql**, Asp.net Core).
- Implemented Job Scheduler for assigning customers to agent while maintaining the queue (C#, **Windows Service**).
- Providing consultancy in defining code standards and code quality.
- Hands-on code, while fixing the bugs in timely fashion.
- Help the teams of smscountry.com and api.smscountry to have a centralized Auth Server (C#, **Asp.net Identity**).

Oct 2020 – Jul 2021   **Solution Architect (Part-time)**

H3 Solutions, Faisalabad, (Pakistan)

- Automate deployment flow of existing applications using CI,CD Pipelines and helps in migrating the organization to DevOps model results in the reduction of time and effort of delivering software to end users by 30% (**Gitlab**, Yaml Scripting, Docker, **Git**, **Powershell Scripting**).
- Implement Infrastructure as Code using **Terraform** that results in code sharing by 30% across all cloud platforms.
- Configured Linux agent for CI/CD pipelines using **Ansible** that results in reduced maintenance effort by 30%.
- Providing guidance in defining code standards, code quality and maintainability that results in a reduction of development effort by 10% (**IOC container**, **GOF Patterns**, .Net).

Aug 2019 – Apr 2021   **Lead Software Engineer**

Brickclay, Faisalabad (Pakistan)

Worked in a wonderful team of developers, notable achievements are following;

- Lead the development and **migration** of existing Quickanalytix web application to **Progressive Web App (PWA)** that results in 50% increase in overall performance (Typescript, Angular, **GraphQL**).
- Implemented centralized OAuth solutions for all of the underlying services that results in decrease in cost of integration by 20% (C#, **Microsoft Identity** Asp.net Core, **Identity Server 4**).
- Leading Cloud and DevOps Vertical for the entire development process, providing best processes and practices and evolving the organization towards DevOps Model that results in early detection of issues and frequent deployments (**Azure Devops**, **Bash Scripting**, **Yaml**, **Ubuntu**).
- Designed and Implemented end to end Cloud Migration Strategy for multiple critical applications to **Microservices** architecture that reduce overhead of maintainance cost of Infrastructure (**Microsoft Azure**, **Docker**, **Kubernetes**).
- Helps in capturing issues in production environment using logging and tracing requests that ease the developers in finding bugs in production (**Serilog Seq**).

Mar 2019 – Jul 2019   **Software Engineer**

Brickclay, Faisalabad (Pakistan)

- Involved in the development, integration and maintenance of reporting services called of Quickanalytix (C#, SqlServer, Asp.net MVC, Ado.net).
- Integrated **Payment solution** with Quickanalytix web application (C#, **Stripe**).

Aug 2017 – Feb 2019   **Full-stack Developer**

Freelance, Faisalabad (Pakistan)

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- Lead project named Kohsaar which was both a client project and my bachelor project (C#, Typescript, Asp.Net Core, Angular, Servicestack, Ormlite, REST, SqlServer),
- Arduino bluetooth car (**C++**, **Arduino**).
- Clinical reporting software for a local client while making sure code fall under **SOLID principles** and GOF patterns (C#, **Wpf**, Material Design, **MVVM**, Sqlite).
- Github Dependency Scraper (Python, **Beatifulsoap**, and **Scrappy**).

EDUCATION

Jan 2014 – Feb 2018

Bachelor of Computer Science

National Textile University, Faisalabad (Pakistan)

- Bachelor Project/Thesis: Kohsaar a multi vendor e-commerce platform using .Net (C, Typescript, **C#, Asp.Net Core, Angular, ServiceStack, ORM lite**).

PERSONAL SKILLS

Languages

Fluent in English, Urdu, Punjabi and Hindi

Communication skills

- Good listening skills [gained during my experience as Software Architect in H3 Solutions by providing consultancy after listening to their problems].
- Clarity and Concision skills [achieved during working as a Principal Software Engineer of Tenx while presenting the idea to the mass.
- Good writing skills [obtained through writing requirement documentation and API documentation while working in Brickclay].
- Being able to give and receive feedback [gained during my experience in Telebu Communications].

Organisational / managerial skills

- Excellent speech and presentation [gained during my work as Principal Software Engineer in Tenx while addressing the idea to the mass].
- Leadership skills [gained while working as a team lead in Brickclay and Principal Software Engineer in Tenx].
- Organized and delivered seminars on Arduino and Git at my university.
- Excellent teamwork [obtained while managing a team of developers in Brickclay and Gawalla].

Job related skills

- **IDE:** Lens, Rider, Visual Studio, and Visual Studio Code
- **Code Editors:** Sublime Text, Notepad++
- **Productivity Tools:** LaTeX, **Git, Slack**, Navicat, MobaXterm, MS Office (Word, PowerPoint, Visio, **Teams** and Excel) and Corel Draw.
- **Clouds:** Microsoft Azure, Digital Ocean, Oracle Cloud

Certifications

- Designing and Building Enterprise **Blazor** Applications , 2022.
- **Mastering Kubernetes**, 2020.
- **Managing Microsoft Azure Compute**, 2019.
- Building **Microservices**, 2019.
- Designing and Implementing Microsoft **DevOps** Solutions, 2019.
- **Identity** and Access Control for Modern Applications, 2019.