

Muhammad Asim

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Technical Skills

Languages: Go(lang), GoFr, Go Gin, Flutter, Dart, HTML, CSS, SCSS, C, C++, Python, TypeScript, SQL, GraphQL
Frontend: React, Tailwind, Svelte, Astro, Flutter, HTMX
Backend: Golang, Node.js, GraphQL, python(django), grpc
Database: MongoDB, Postgres, DynamoDB, Redis, MySQL
DevOps: AWS, Azure, Firebase, Google Cloud, Docker, Netlify, Github Actions, Jenkins, kubernetes
Others: Git, NPM, FVM, Insomnia, Postman, VsCode, Android Studio, Burp Suite

Work Experience

Aqary International. *Lead Developer* Abu Dhabi, UAE Jan 2023 - Present

- Developed the Aqary Officially application using Flutter from scratch, featuring advanced animations with custom libraries and implementing custom map functionalities for unit clustering. Created a custom feature allowing users to draw on the map to select areas for filtration.
- Built the backend in Go from the ground up, utilizing Clean Architecture principles alongside Docker and Kubernetes, with PostgreSQL and transaction management.
- Implemented design patterns for Go routine concurrency, including worker pools and fan-in/fan-out techniques, reducing latency of heavy API calls from 2.6 seconds to 0.4 seconds.
- Created GraphQL APIs to enhance data retrieval efficiency and flexibility.
- Established CI/CD pipelines for automatic deployment on Azure, significantly reducing deployment time and improving workflow efficiency.
- Deployed the front-end website on Azure and created a CI/CD tool using NGINX to optimize performance and streamline deployment processes.
- Integrated monitoring tools, implementing Grafana for visualization and Prometheus for metrics collection, enhancing the system's observability and performance tracking.

Encoder Bytes. *Lead Developer* Peshawar, PAK Oct 2022 - Dec 2022

- Architected the Ward Guide application to enable seamless dynamic integration of new chapters, improving user experience and content management.
- Guided the development team in implementing and understanding Clean Architecture principles, resulting in a more maintainable and scalable codebase.
- Assisted in the deployment of the Pharmapedia Pro application, ensuring a smooth rollout and successful integration into existing systems, while providing coding support to the development team.

Itec Experts. *FullStack Developer* Peshawar, PAK Jun 2021 - Oct 2022

- Developed the main applications, Quick Swappers and Quick Biz, using Flutter, enhancing overall functionality and performance.
- Trained junior developers in Flutter, helping them learn to create hybrid applications effectively.
- Created a variety of applications, including: COVID-19 App for Germany, Launch Art Application, Custom Chat Application, Point of Sale (POS) Application, All applications utilized BLoC architecture and Clean Architecture principles for improved maintainability and performance.
- Implemented notifications, Navigation 2.0, and deep linking to enhance user experience and streamline navigation within the applications.
- Developed the main application with React, ensuring a responsive and engaging user interface.

Ufv Tech Sol. *Android Developer* SWAT, PAK Jun 2021 - Oct 2022

- Developed key applications using Java, significantly enhancing functionality and performance.
- Trained new students in Java, providing guidance and support to facilitate their learning journey.

Education

University of Agriculture Peshawar, PAK

Honours Bachelor of Science Candidate in Computer Science (Specialization)

CGPA: 3.60 / 4.0

Projects

FreeCouponSaver

- Developed a website that aggregates the latest Udemy coupons for free.
- Utilized Astro.js for the frontend to create a responsive user interface.
- Implemented the Go Gin framework for the backend to efficiently fetch and display coupons.
- Integrated various online sources to ensure up-to-date coupon listings.