

Mubashir Khan

Golang Developer

INDUSTRY EXPERTISE & TECHNOLOGIES

Golang – C – C++ – Shell Programming – DevOps – Linux – Git – GitHub – Docker – Kubernetes – Minikube – MySQL – PostgreSQL – MongoDB – DynamoDB – Molecular Modeling Database – Schema – Amazon Cognito – Amazon Lambdas – Amazon SES – Amazon CodeBuild – Amazon RDS – Amazon S3 Bucket – Amazon EC2 – Amazon Serverless – Heroku – Jenkins – Linode – Firebase – Supabase – IPFS – Apache Thrift – GRPC – JWT – Redis – Crons – Testing – WebSocket – API Rest – Postman – Swagger UI – GUI – PasteBin – HTML – CSS – SASS – NPM

EXPERIENCE

Highly skilled Go developer with experience in developing, and maintaining software applications. I have experience using Go to develop a variety of applications including **web services**, and **microservice**.

- Experience writing data APIs and multi-server applications to meet product needs using golang.
- Experience in different frameworks of golang like **Echo**, **Gin**, **Gorilla/mux**, and **GRPC**.
- Experience writing the HTTP Restful APIs web services and **SOAP APIs** in Golang.
- Integrated **Jenkins** to **Git** where the build triggers automatically when we push a pull request for CI/CD.
- Good understanding of **Design Patterns**, **Multithreading** and **GO** containers. Well-versed in using **Channels** and **Goroutines**.
- Experience in Dockerizing full applications.
- Containerized applications using **Docker**: Create docker files, and build docker images for **microservices** to run on the **Kubernetes** platform.
- Produced and consumed Restful web services using **Postman**, and **Swagger UI** to interact with different applications.
- Design database **schemas** with complex entity relationships. Have experience in **Agile**.
- Experience in **peer to peer** for uploading and retrieving.
- Experience in **deployment** for all **environments**. **Deployment** through **Docker**, **Kubernetes** in **AWS** and **Linode**. Also, do deployment through **AWS lambda** using a **Serverless framework**.
- Experience in generating **Molecular Modeling Database** files for data like CSV files.
- Experience in **Crons** which run/executed scheduled tasks at specific times or intervals.

EDUCATION

Under graduation in Computer Sciences

COMSATS University Islamabad (CUI)

Intermediate

Punjab Group of Colleges

Matriculation

Sir Syed College Wah Cantt

Primary Schooling

Sir Syed College Wah Cantt

LANGUAGES

• **English – Expert (Fluent)**

• **Urdu - Native**

In addition to my technical expertise, I am also a strong problem-solver and enjoy working on complex projects. I have experience collaborating with other developers on large-scale projects and am comfortable working in a team environment. I am also familiar with standard tools and practices in the Go ecosystem, such as version control with Git, testing with the testing package, and continuous integration with tools like Git.

Overall, I am a skilled and experienced Go developer who is committed to producing high-quality software using the latest tools and techniques in the Go ecosystem.

Golang Developer – *CapregSoft*



July 2021 – Present

- Developed **NFT** website back-end from scratch considering the infrastructure to handle millions of users consisting of the combination of the back-end in **Golang** with using **Echo** Framework with **database** AWS RDS(PostgreSQL), **IPFS**, **Redis**(Cache), **Swagger UI**, **Crons**, **Docker**, **AWS S3 Bucket**, **deployment** on AWS lambda with Serverless.
- Developed a complete **management system site & app** back-end (**Lot_Vector**) from scratch considering the infrastructure to handle millions of users consisting of the combination of the back-end in **Golang** with using **Gin** Framework with **database** AWS RDS(PostgreSQL), **Docker**, **deployment** on AWS lambda with Serverless.
- Develop package **IP_Locator** in **Golang** and **deployment** on AWS lambda with Serverless.
- Developed the **Golang** project for generating **Molecular Modeling Database** file from **csv** files.
- Developed **GUI** based project **Discovery Tool** for **Windows** and **Linux** which detect the **active subnet** of the localhost and run multiple scripts and find all **IP Address** with all **Ports** and **System details**. Store all details in **csv** file and upload into **PasteBin**.
- Developed **Scraper** for **NFT** in **Golang** which get **Owners** and their all **NFT details** and store into **Subabase database** PostgreSQL with automatically create separate **Schema** and table for specific owner. Also **Dockerize** this

STRENGTHS

- Problem Solver
- Team Leading
- Code Debugging
- Critical Thinking
- Out of the box thinker
- Cloud Technology

Portfolio

- **GitHub:**

<https://github.com/Mubashir01234>

- **Linked in:**

<https://www.linkedin.com/in/mubashir-khan-aa0035202/>

- **UpWork:**

<https://www.upwork.com/freelancers/~01ee5ca094f56b376b>

scraper and **deployment** on **Linode** using **Kubernetes**.

- Developed **Golang** package named as **Hawqal** from scratch, having functionality to get all the **world's** countries, cities and states data. This package also involves many more functionalities like to only fetch those cities related to the specific country and vise versa.
- Developed the complete back-end for the Pvt. Ltd Company (CapregSoft) **website** in **Golang**. Including web server requesting and **deployment** on Amazon Web Services using **S3 buckets**, **RDS** and many other services in AWS.
- Managing all the **DevOps** setup, configurations, deployments and scaling of the web applications on AWS.

