Mohammad Ali Ashraf

Golang Developer

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Summary

Seasoned **Golang developer** with expertise in building scalable **microservices**, **REST APIs**, and **cloud-native applications**. Passionate about **system design**, **performance optimization**, and **open source** - actively contributing to major Go projects like **GORM** and **go-github**. Skilled in **AWS**, **Docker**, and **database technologies** with a track record of improving system efficiency by **50%+**. Combines **technical excellence** with a **collaborative approach** to solve complex engineering challenges.

Skills

Programming languages	API Design	Databases
Golang, Python, Bash	REST, gRPC	Postgre SQL, MongoDB, MySQL

DevOps Tools	CI/CD	Cloud Services
Nginx, Docker, Docker Compose	Github Actions, Bit Bucket pipelines	AWS, Azure, GCP, Oracle, Linode

Experience

Contact Center Spacialists (Remote) 🌐
Principal Software Engineer
Remote
Apr 2023 - Present

- Understand bussiness requirements, **Design and propose solutions** built in Golang, take lead to deliver feature.
- Conduct thorough **code reviews** for Golang team, and provide constructive feedback to team members.
- Contribute to system architecture design discussions by proposing solutions and evaluating alternatives.
- Serve as the primary point of contact for system issues, taking immediate action to **resolve issues** in Golang services or identify cause and assign issue to relevant person in team.
- Facilitate task understanding for less experienced team members and collaborate with QA and UI teams to ensure smooth testing and **Golang API integrations.**

Contact Center Specialist (Remote) 🌐
Software Engineer
Remote
Apr 2022 – Mar 2023

- Designed and implemented reliable **REST APIs** in Golang to support front-end integration.
- Identified and resolved issues in outbound call generation service built in **Golang** on top of **free Switch**, resulting in a **15%** increase in call success rates.
- Replaced a legacy outbound service with a resilient, high-performance service built in **Golang** on top of **free Switch**, improving system request processing time by **52%**.
- Enhanced logging in services built in **Golang**, leading to a **73.33%** improvement in issue detection.
- Independently developed a critical service in **Golang** for an **automated speech recognition (ASR)** system used in campaigns.

Contact Center Specialist (Remote) 🌐
Associate Software Engineer
Remote
Jan 2022 – Mar 2022

- Identified and addressed inefficiencies in application services built in **Golang**.
- Documented system design and development workflows to ensure clarity and consistency.
- Implemented new services in **Golang** using **clean architecture** principles to enhance system design.
- Monitored, maintained, and upgraded existing **Golang** services to ensure optimal performance and reliability.

Upwork
Freelance Software Engineer
Remote
Dec 2020 - Jan 2022

- Developed online learning platform using python, Django, bootstrap.
- Build CI/CD pipelines using github actions.
- Deployed and managed services on Linode VPS using Docker Compose.
- Written bash and golang scripts for automatic deployment on Linode VPS.

Open Source Contributions

go-github 🌐
Github SDK in golang, contributed github actions cache module for sdk.

gorm 🌐
ORM for golang, contributed to issue fix regarding postgres SQL max identifier length.

larry 🌐
Twitter bot which tweets repositories from github, written in Golang. Contributed to a feature for adding repository creation dates in tweet.

csv-column-extractor 🌐
Golang package to extract only required columns from huge CSV files.

go-fast-downloader 🌐
Golang fast down loader package, for downloading files concurrently.

postgres 🌐
GORM PostgreSQL driver

golang, driver, postgresql

go channels, golang, goroutines, concurrency, package, http protocols

Projects

Helium 🌐
Helium is One Centralized Platform for all Tools.

Helium is One Centralized Platform for all Tools.

Golang, REST, gRPC, GCP, AWS S3, GCP Cloud Engine, GCP Cloud Run, postman, mysql, mongodb

Swipe Shop - FYP 🌐
An E-commerce based mobile app with video based interface, where user can scroll videos and place order and management portal for sellers.

Golang, Gorm, Mysql, Flutter, React, Azure.

Tawhid Islamic Finance 🌐
Online islamic finance learning platform.

Python(Django), Mysql, Nginx, Docker Compose, Linode, Github Actions.

Medicom 🌐
E-commerce website and management portal for medicines.

Mysql, Python, Django

Twitter Rumors 🌐
AI model designed to differentiate between rumor and actual news using PHEME data set.

Python, Keras, Pandas, Numpy

Certificate Generator 🌐
Certificate Generator app useful for generating certificates from a given template.

C#, Desktop app, .NET, Open Source, Microsoft Learn Student Ambassador Community

ISP Bills Manager Desktop App 🌐
The desktop app designed for an internet service provider in our area, to help them manage their monthly bills, receipts and their records etc. Built in Email functionality for user receipts, onboarding etc.

C#, Desktop-App, .NET, POS, Ms SQL

Education

University of Engineering and Technology, Lahore, Pakistan 🌐
Bachelors in Computer Science
3.3 GPA

Certifications

AWS Certified Cloud Developer Associate
Certificate Issued by AWS 🌐

Azure Fundamentals Az-900
Certificate Issued by Azure 🌐

Publications

Install Azure PowerShell on Ubuntu/Linux — Ulitmate Guide 🌐

Golang - Check Multiple Errors in one Condition 🌐

Golang - Why I Created My Own Sleep Function ? 🌐

Interests

Cloud Computing

DevOps

Open Source Contributions

Article Writing