

# Utkarsh Singh

## Software Engineer

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## PROFESSIONAL EXPERIENCE

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### Member of Techinal Staff ( Golang Developer )

08/2021 – present

NEC Technologies India, sector-142, Noida 🌐

- Build a high performance and robust system using gin web-framework.
- Worked with Golangs inbuilt concurrency and channels to implement design patterns ensuring High performing systems.
- Performed Unit and end-to-end testing using Golang's testing framework.
- Worked with container and cloud technologies like podman, Kubernetes and AWS to create microservices that are highly scalable.

## SKILLS

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### Languages

- Golang, Python, Bash

### Cloud and DevOps Tools

- Kubernetes, Docker, AWS, Podman, Openshift Virtualization

### CI-CD pipelines and Plateform

- Argo CD, Linux

### Framework and Technologies

- Gin, RESTAPI, Git, GitHub, OAuth, JWT, protocol-buffer

### DataBase

- PostgresSQL, Redis

## PROJECTS

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### Bank Server 🌐

(Gin, PostgreSQL, AWS, gRPC, Kubernetes, JWT)

- A bank server whose API is implemented in Go-langs framework Gin and authentication protected by JWT.
- Deployed and managed By Kubernetes Engine on AWS with the help of Docker.
- And handling user sessions using gRPC APIs.

### Multi-Threaded RESTAPI Server 🌐

(RESTApi, Concurrency, Mutex )

- Implemented a RESTApi server using Go-langs inbuilt library (net/http).
- Internally it is setup for handling multiple request loads for each route using mutex, that allows to let server handle high load of request.

## EDUCATION

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### Bachelor Of Technology

Ajay Kumar Garg Engineering College

- Electronics and Communication Engineering

07/2017 – 07/2021

Ghaziabad, India