

Sundaram Kumar Jha

Software Developer

Motivated Software Developer with extensive experience in designing scalable, secure microservices using Golang and building custom solutions for infrastructure automation. Passionate about solving complex problems and creating efficient back-end systems. Strong expertise in deploying cloud applications using Docker, Kubernetes, Cloud Solutions and managing Distributed architecture

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 7 August, 2003

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EDUCATION

Graduation

Manav Rachna International Institute of Research and Studies

05/2021 - 7th Semester | 7.5,

Senior Secondary (12th Std)

BVM Public School

2021 | 85%

Secondary (10th Std)

St. Marys School

2019 | 85.6%

INTERNSHIPS

Full Stack Development Intern at Finlux Technologies

05/2022 - 07/2022

Internship

- Developed a client-acquiring furniture website using React and TypeScript, leading to the company's first client engagement.
- Collaborated closely with the frontend team to enhance user interfaces and ensure seamless user experience.
- Developed frontend using React and TypeScript.

Full Stack Development Intern at AppWrite

03/2023 - 04/2023

Octernship

- Developed a Notes app using Appwrite Database.
- Designed the view with React and Tailwind.
- Developed the model using Appwrite Schema.

TRAINING & CERTIFICATIONS

Linked Learning

- [Git and Github](#)
- [React Development](#)

KodeKloud

- [Kubernetes](#)
- [Docker](#)
- [Linux](#)
- [Shell Script](#)

Certified in Golang by HackerRank

Languages

English, Hindi, French

SKILLS

Programming Languages: Golang, React, Typescript, C++

Development: React.js, Golang Backend, Microservices, Cloud Native

Databases: MySQL

Tools: Kubernetes, Docker, CI/CD, Git, Argocd, Helm, Terraform, Jenkins, Ansible

PROJECTS

My Own Git Server using Golang

- Built a fully functional Git server using Golang, replicating most of Git's features such as commit, push, pull, branching, and merge conflicts.
- Implemented a custom commit tree structure to track file history and multiple branches.
- Optimized for performance and concurrency using Golang's goroutines and mutexes.

Custom Controller for etcd Backups using Golang

- Created a Kubernetes custom controller in Golang for automating etcd database backups.
- Achieved improved cluster resilience by managing etcd backups through the controller.
- Scheduled daily backups and ensured that the controller automatically uploads them to local Database

E-commerce Microservice using Golang

- Designed a microservice-based e-commerce platform with three core services: User Service, Product Service, and Order Service.
- Integrated authentication and role-based authorization for admin and regular users, ensuring secure access to various operations.
- Deployed the system on Kubernetes with seamless scaling and orchestration of microservices using Docker containers

ACHIEVEMENTS

Merge PR in Hacktober Fest 2023

Maintainer at Mern Stack, Formbricks, Cal.com

Published Paper on Fuzzy Logic Method to Solve Traffic Congestion Problems at Intersection IEEE AutoCom 2024.

INTERESTS

Cricket

Programming

Problem Solving

Travelling