

# ASTHA GUPTA

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Software Engineer with 3+ years of experience building and maintaining backend and cloud-native systems. Strong in C++, Golang, data structures, and distributed systems with hands-on AWS, Kubernetes, and Helm experience. Actively seeking SDE-2 backend roles.

## EDUCATION

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SRM Institute of Science and Technology - B. Tech. in Computer Science & Technology, 2023 - CGPA: 9.12

## EXPERIENCE

### Software Engineer at Opentext, Bengaluru

12/2024 - Present

- Led Helm chart standardization across services, improving deployment consistency and maintainability.
- Delivered security patch releases with minimal production impact.
- Debugged and resolved high-priority customer escalations for enterprise clients.
- Owned backend features end-to-end from design to deployment handoff.

### Associate Software Engineer at Opentext, Bengaluru

02/2023-12/2024

- Developed and deployed containerized backend services using Docker and Kubernetes.
- Enabled multi-cloud deployments on AWS and GCP (Anthos).
- Owned Helm charts for standardized and reliable service deployments.

### Intern at Opentext, Bengaluru

01/2023-2/2023

- Executed manual and basic automation testing for backend validation.
- Gained product and system knowledge through close collaboration with senior engineers.

## SKILLS

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Languages: C++, GoLang, Docker, Kubernetes, Helm, CI/CD, AWS, REST APIs, Microservices, OOP, Error Handling, SQL (Fundamentals), Data Structures & Algorithms, HLD, Git, Jira, YAML, Shell Scripting, VS Code.

## PROJECTS

### Task Management System

- Built a console-based task manager using OOP and STL supporting CRUD operations.
- Designed modular class architecture for scalability and maintainability.

### URL Shortener Service

- Implemented a URL shortening service with short-code generation and redirection logic.
- Used hash maps for efficient lookup and simulated backend service behavior.

### LRU Cache

- Implemented an O(1) LRU Cache using hashmap + doubly linked list.
- Added hit/miss tracking and eviction strategy.

## COMPETITIONS

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- **Flipkart Grid 3.0:** Participated in a hackathon organised by flipkart
  - **JP Morgan Code for Good:** Built solutions for social impact challenges in a team-based hackathon.