

## Skills

- Java, Go, Python, Spring, Gin, SQL, MongoDB, Gitlab, Redis, Kafka, Docker, Kubernetes, Microservices, AWS, Distributed Systems, Linux, Terraform

## Experience

**SDE** Feb 2025 - Present

### Amazon

- Strengthened system security by mitigating vulnerabilities in backend APIs through secure Java-based API designs and implementations, reducing security vulnerabilities by 30%.
- Enhanced system uptime by implementing robust monitoring and failover strategies.

**Software dev senior associate engineer** Mar 2023 - Feb 2025

### SonicWall

- **NSM - Firewall Management System:**
- Tech stack: Java , Springboot , SQL , MongoDB
- Enhanced server response times impacting user experience by building a scalable backend system using Java, SQL, and MongoDB, resulting in a 200ms reduction in server response times and supporting an additional 1 million users.
- Boosted customer satisfaction by addressing high API latency with Java's concurrency features for asynchronous query execution and results streaming, reducing API latency from 2300ms to 170ms.
- Optimized storage requirements leading to reduced infrastructure costs by implementing Java-based in-memory caching and partitioning strategies, achieving a 30% reduction in storage needs.

**Senior software engineer** Jul 2022 - Mar 2023

### LTIMindtree

- **ERA- Employee Recertification Automation**
- Tech stack : Java, Springboot , SQL , MongoDB
- Ensured seamless integration between backend and frontend systems by building and maintaining Java-based RESTful APIs, leading to a 20% reduction in response times for employee recertification processes
- Reduced data storage requirements and improved query performance by developing and optimizing SQL queries, resulting in a 40% decrease in storage needs and a 25% enhancement in query performance.

## Projects

### Ecommerce Application - Backend

- **Technologies Used:** Java, Spring , Hibernate, SQL, MongoDB
- **Key Features:** Implemented secure user authentication, dynamic product listings with search and filter options, and a robust cart management system supporting real-time updates and multiple concurrent users.
- **Order Processing & Integration:** Developed an efficient order processing workflow with seamless payment gateway integration, ensuring secure transactions.
- **Performance & Scalability:** Leveraged Hibernate for ORM and MongoDB for flexible data storage, optimized database interactions for high performance, and designed the system to handle high traffic and large datasets, ensuring reliability during peak usage time

## Education

**Institute of Aeronautical Engineering**  
BE/B.Tech/BS

2021