

SAGAR VASHNAV

Software Developer

+91 8130693228 @ work.sagarvashnav@gmail.com [linkedin.com/in/sagar-vashnav](https://www.linkedin.com/in/sagar-vashnav) github.com/sagar-7227
Gurugram, Haryana ☆ sagarvashnav.netlify.app

EXPERIENCE

Java Developer

Star Health 08/2024 - Present Gurugram

- Contributed to the redevelopment and integration of **Java-based authentication systems**, improving platform security and user experience, which led to a **20% increase in user adoption**.
- Assisted in streamlining subscription renewal workflows by building and maintaining backend services, resulting in a **15% enhancement in customer retention**.
- Improved data handling and implemented secure protocols for healthcare applications, ensuring the safe management of patient records and achieving a **25% improvement** in data processing efficiency.
- Utilized **Kafka-based messaging** to trigger secure, asynchronous workflows for secret key generation and encryption using methods like **RSA and AES**, ensuring **high reliability and responsiveness** in event-driven architectures.
- Applied **Aspect-Oriented Programming (AOP)** to manage and suppress inactive modules at runtime, maintaining data integrity and preventing unintended changes.

Java Developer Intern

Star Health 03/2024 - 08/2024 Cyber Park, Gurugram

- Developed and deployed a **Single Sign-On (SSO)** authentication system using **Keycloak**, enabling seamless access across **20+ internal applications** and **reducing redundant login efforts by over 60%**.
- Integrated **Keycloak with Java Spring Boot services**, supporting **OAuth2 and OpenID Connect** protocols to enhance authentication flow security and compliance.
- Implemented **parallel login handling logic** for concurrent user sessions, increasing system stability and responsiveness under high load—successfully tested with **1,000+ simultaneous users**.
- Proposed and enforced **login throttling mechanisms** to block brute-force attacks, reducing unauthorized login attempts by **over 70%** during internal penetration testing.

Full Stack Developer Intern

K.R. Mangalam University 10/2022 - 03/2023 Gurugram

- Incorporated **user authentication and authorization features**, safeguarding student data and preventing unauthorized access to the canteen system; system is now used by **5+ administrators**.
- Guaranteed seamless compatibility across various **browsers and devices**, efficiently managing high traffic volumes of over **4,000 students per day**, ensuring optimal user experience.
- Utilized version control systems (Git) for collaborative development, maintaining a clean and organized codebase with **100% code repository accuracy rate**.

KEY ACHIEVEMENTS

Effective at Solving Complex Coding Challenges

Solved over 1000 coding problems on **LeetCode, CodeChef, and Codeforces**, building strong programming and algorithm skills.

Mentor, Organizer In 2023 (HACK KRMU 2.0)

The second edition of the **HACK KRMU hackathon series**, focused on practical programming challenges and teamwork.

Dan Kohn Scholarship

Issued by **CNCF (KubeCon + CloudNativeCon North America 2022)**

SKILLS

Tech Stack

Spring • Sprint Boot • Spring Batch •
ORM (Hibernate / JPA) • Kafka • MongoDB • SQL •
Docker • AWS • Redis • Swagger

Languages & Tech Skills

Java • Python • Java 8+ features •
Multithreading & Concurrency • System Design •
Design Pattern • Data Structure & Algorithms

Development Practices

JUnit / TestNG • Debugging •
Logging(Log4j, SLF4J) •
CI/CD Concepts(Jenkins & Kubernetes)

PROJECTS

Cloud-Native Deployment Java Spring Boot Apps

github.com/sagar-7227/spring-boot-app
Automated Deployment Application

- Developed a fully automated **CI/CD pipeline** using **Jenkins**, enabling continuous integration and deployment of a Spring Boot Java web app, reducing manual deployment time by **70%**.
- Integrated **SonarQube** for static code analysis, increasing code quality compliance and reducing bugs by **30%** across pipeline builds. algorithms, enhancing overall **search functionality and user experience**.
- Configured **Helm charts** and deployed to a **Kubernetes (Minikube) cluster** via **Argo CD**, enabling GitOps-style deployments with **zero downtime**.
- Managed and optimized Jenkins pipelines with parallel stages, decreasing build time from **15 minutes to under 6 minutes**.

EDUCATION

B.Tech in Computer Science & Engineering

K.R. Mangalam University
09/2020 - 06/2024 Gurgaon, India GPA 8.4 / 10.0

ORGANIZATIONS

Java Software Developer

Star Health - 10/2022 - current

Linux Kernel Mentee

The Linux Foundation - 09/2023 - 11/2023