Yashraj Mandloi

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Links

in [linkedin](#) 🐙 [github](#) </> [LeetCode](#)

Education

Sushila Devi Bansal College of Engineering Aug. 2019 – June 2023
Bachelor of Technology in Computer Science **CGPA : 8.52** *Indore, Madhya Pradesh*

Experience

ConsultAdd Services Pvt. Ltd. May 2023 – Mar 2025
Software Engineer - Fullstack *Pune, Remote*

- Designed robust APIs using **design patterns** to enable seamless data exchange.
- Implemented **role-based access control**, and optimized performance through caching strategies with Redis.
- Utilized **JUnit** and **Mockito** to implement robust unit and integration tests, achieving 90% code coverage and improving software reliability and development efficiency.
- worked on AWS services like **S3, EC2, API Gateway, IAM, Secrets Manager** to deploy secure, scalable applications.
- Leveraged Terraform for **automating infrastructure provisioning** and configuration management, reducing manual provisioning time by 70% and enabling zero-downtime releases.
- Followed **Agile methodologies**, such as Scrum for efficient project management
- Collaborated with peers, technical leads, and stakeholders to resolve issues, debug effectively, and drive continuous product enhancements.

Consultadd Services Pvt. Ltd. Sept 2022 – Apr 2023
Software Engineer - Intern *Pune, Remote*

- Developed **PC Stat**, a lightweight system health monitoring app using React, Express, and MongoDB, tracking CPU, memory, disk usage, and last active timestamps.
- Designed a heartbeat-based discovery system to identify online and offline machines across networks.
- Protected agent communication with token-based identity validation, ensuring only authorized systems could send heartbeats or receive commands.
- Implemented rate-limited, authorized Wake-on-LAN (WoL) logic, enabling autonomous retry attempts from active machines
- Configured MongoDB access authentication, IP whitelisting, and environment-based secrets management.

Projects

Inventory Management | *Spring Boot, SQL*

- Developed an **Ordering and Inventory management System** based on microservices architecture.
- Implemented **Eureka Discovery Service** and design patterns to enhance reliability and scalability.
- Utilized Swagger for comprehensive API documentation and Keycloak for **user authentication**, ensuring seamless and secure **CRUD operations**.

Startup Connect | *Next.js, Sanity.io, OAuth 2.0, Sentry*

- Developed a **modern web platform** for entrepreneurs to pitch ideas, gain visibility, and engage with a collaborative community.
- Integrated **OAuth-based authentication** to enable secure, user-friendly sign-ins and protect user data.
- Utilized Next.js and Sanity.io to build a fast, **CMS-powered** experience with dynamic content management.
- Added Sentry for **real-time monitoring and error tracking**, boosting platform stability and developer insights.

Technical Skills

Languages: C, C++, Java, JavaScript, SQL, HCL
Technologies/Frameworks: Spring Boot, JUnit, AWS Cloud Platform, Terraform, Docker
Developer Tools: VS Code, Git/Github, IntelliJ, JIRA, Postman

Achievements

- AWS Certified Solutions Architect - Associate
- HashiCorp Cloud Engineer Certifications - Terraform Associate.
- Cleared CodeVita Season 10 Round