SANDEEP AHIRWAR

📞 +917692027498 ✉ ahirwar.sandeepsde@gmail.com in LinkedIn ○ Github ◆ Leetcode

Profile summary

Results-driven Software Engineer with 1.5+ years of experience in building high-performance applications and automating workflows. Proficient in Java, Spring Boot, Python, Docker, and Kubernetes. Expertise in CI/CD with Jenkins and Ansible. Strong experience in MySQL and MongoDB management, alongside optimizing AWS infrastructure for scalability and performance. Committed to leveraging technology to drive innovation and deliver impactful solutions.

Education

- **NIT BHOPAL**   July 2019 - April 2023
  Bachelor of Technology in Electronics and Communication Engineering   *MP, India*

Experience

- **Software Engineer**   July 2023 - Present
  APT Portfolio (HFT)   *Delhi, India*
  - Architected a No-Code UI builder for a SaaS platform, enabling users to create and import interfaces from Figma and Adobe XD. Utilized a **Java backend** to reduce development time by **80%**.
  - Utilized **Redis** for data caching, achieving significant latency reduction and improved response times for frequently accessed data.
  - Architected and implemented a scalable **real-time log viewer** application with LDAP authentication, advanced filtering, infinite scrolling for 10GB logs, and **real-time streaming for 100+ users**. Leveraged React, Python, **WebSocket**, Celery, and Redis to deliver a robust solution.
  - Implemented WebSocket for live log updates, using Django Channels for **real-time communication**.
  - Applied various concepts and technologies such as state management (Bloc and Providers), software design patterns, **SOLID principles, React**, JSON data manipulation, **REST APIs**, MongoDB, MySQL and Docker to streamline application development, improve system integration, and enhance performance through testing.
  - Engineered automation solutions using Ansible, Python, and Bash, reducing manual intervention in production by 30%. **Automated CI/CD pipelines**, improving deployment speed by 40% and system reliability by 35%.

- **Software Engineer intern**   January 2023 - July 2023
  APT Portfolio (HFT)   *Delhi, India*
  - Managed technical responsibilities for troubleshooting, error resolution, and log collection across all trades, ensuring 99.9% operational uptime and a **20% reduction in issue resolution time**, contributing to smoother and more efficient trading operations.
  - Conducted comprehensive End-to-End testing of implemented functionalities using Junits and developed API and UI automation scripts for Jenkins CI/CD pipelines, resulting in **40% faster software releases** and 30% fewer bugs.

Technical Skills

- **Programming Languages**: Python, C++, Java, Bash, JavaScript
- **Technologies & Tools**: Git, Linux, Ansible, Apache Airflow, Bitbucket, Jenkins, AWS, Elasticsearch, DynamoDB
- **Database Management**: MySQL, MongoDB
- **Frameworks & Libraries**: Node.js, React.js, Express.js, Django, Springboot
- **Containerization & Orchestration**: Docker, Kubernetes
- **Core Competency**: API Development, Containerization, Communicator, Analytical
- **Concept**: Data Structures & Algorithms, Operating Systems, DBMS, Agile Methods, OS, CN

Projects

- **Crypto Hunter**   July 2022 - October 2022
  Dr. A. Subbarao, Assistant Professor at NIT Bhopal
  - Created a high-performance **Crypto Currency Tracker App**, featuring real-time data for 100+ cryptocurrencies, providing a seamless investment tracking experience.
  - Enacted seamless **API integration** to fetch real-time cryptocurrency information, ensuring up-to-date and accurate data with an efficiency rate of over 90% .
  - **Context API** is used to manage the state of app and **Coin Gecko API** for the backend.
  - **Tech Stack:** Made use of React.js, Material UI, and Chart.js to create a responsive and visually appealing application.

Scholastic Achievements/Leadership

- **Competitive Programming Platforms**: Solved **1000+** on different coding platforms: LEETCODE, GeeksforGeeks.
- **Google Coding Competitions**: Participated in Google KickStart 2022.
- **Rotaract Club MANIT**: Worked as a web Developer for the club.
- **JNVST EXAM**: Selected in JNVST exam of top 80 students out of approx 16000 candidates.