

Pragyanshu Rai

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EXPERIENCE

Hitachi Vantara

Jun. 2022 - Present

Software Development Engineer

Hyderabad

• Enterprise Factory Configurator (client: Toyota Motor Corporation)

- Engineered a **Vehicle Configurator App** with vehicle configuration, image generation, and inventory data management.
- Implemented **microservices API** architecture leveraging **Spring Boot** for runtime, integrated seamlessly with **AWS RDS MySQL** as the underlying databases
- Transferred the **Jenkins CI/CD** pipeline to **GitHub Actions**, facilitating quicker and seamless integration and cost reduction
- Utilizing **Route 53** with **ALB and ECS** for microservices and **lambda with layering** for serverless endpoints for high scalability
- Revamped the legacy application stack by migrating to the **AWS cloud**, thereby reducing the operational cost by **92%**

• SureTime (client: Surepoint)

- Crafted a **timekeeping app** utilizing the **Spring Boot** framework for streamlined time tracking, task delegation, and live cost monitoring
- Implemented **multithreading** and **ThreadPoolExecutor**, and leveraged the **Quartz** library for executing batch jobs.
- Collaborated with the **SureClear** team to enhance **security** measures for the existing serverless architecture.
- Established a highly scalable environment by leveraging multiple aws services (**lambda, SQS, SNS, Step Functions**)
- Implemented a highly reusable **Jest** testing suite ensuring **100%** coverage & project stability

Hitachi Vantara

Jan. 2022 - Jun. 2022

Software Development Engineer - Trainee

Hyderabad

• Schedio (client: Hitachi Internal Project)

- Led a team of **6** interns to develop a **REST API** for event creation and tracking, built on **Spring Boot** with **MySQL**.
- Tailored **Hibernate** and **JPA ORM** to facilitate seamless mapping between objects and relational models, enhancing database accessibility.
- Formulated a **high-level design** outlining the database relations to ensure data **normalization** and **minimize redundancy**.
- Achieved enhanced optimization through the adoption of **indexing** and **connection pooling** for queries.
- Conducted training sessions to equip interns with technical knowledge that meets industry standards.

Prakya Inc

Oct. 2021 - Jan. 2022

Software Development Engineer - Intern

Bengaluru

• Prakya 360

- Designed a report generation and export feature using **Apache POI** and **iText** libraries in a **Java** runtime environment.
- Enhanced code **optimization** by strategically using **data structures** such as **Sets** and **Maps**.
- Acquired proficiency in applying **DRY** and **SOLID** principles to optimize code design, tackling real-world challenges adeptly.
- Automated tasks and testing procedures through the use of **bash** shell scripts.

TECHNICAL SKILLS

Languages:

Java, JavaScript (Node), HTML, CSS and Bash

Framework and Tools:

Spring Boot, React, Docker, Terraform, Jenkins, Github Actions

Database:

SQL (MySQL, PostgreSQL)

Cloud Platforms and Others:

AWS, High-Level Design, Low-Level Design, DSA

CERTIFICATION

AWS Certified Developer - Associate

Apr 2024

HackerRank Certified Problem Solving

Apr 2024

EDUCATION

B-Tech in Computer Science

Jul. 2018 - Apr 2022

School Of Technology, GITAM, Hyderabad

GPA: 8.4/10