

Charugundla Vipul

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PROFESSIONAL SUMMARY

Full stack developer with **2 years** of expertise in **Java** and **Spring Boot**, proficient in front-end and back-end technologies. Experienced in designing user interfaces and managing data using SQL and NoSQL databases. Skilled in developing cross-platform applications with **Flutter** and **React**, focusing on optimizing performance and delivering scalable solutions.

TECHNICAL SKILLS

Programming Languages: Java, Dart, Python, JavaScript, C, PHP

Frameworks and Libraries: Spring Boot, Flutter, ReactJS, Node.js, Express.js, Redux, Tailwind CSS

Databases: PostgreSQL, MySQL, TiDB, Firebase, MongoDB, Redis, GraphQL, DynamoDB

Tools and Technologies: Figma, HTML, CSS, Docker, Kubernetes, Jenkins, Git, Cypress, k6

Cloud Platforms and Deployment: AWS, Google Cloud Platform, Heroku, Netlify, Vercel

Software Development Practices: RESTful APIs, CI/CD, Agile, Microservices

WORK EXPERIENCE

Software Development Engineer-1

01/2023 – 08/2024

Brane Enterprises

Mindspace, Hyderabad

- **Adapter Integration:** Built and deployed **Google Classroom** and **Firebase** adapters into the company's **no-code** platform, streamlining the integration process and enhancing client satisfaction.
- **Caching Strategy Implementation:** Implemented advanced **Redis caching mechanisms** and optimized data serialization using **Kryo**, reducing database latency by 40% and improving retrieval speeds by 50%.
- **Enterprise Data Management Application:** Designed and developed a **Flutter** desktop application for enterprise data management leveraging **Bloc architecture** and complex **SQL queries**, showcasing TiDB's capabilities to secure a major client and increase customer engagement.
- **API Optimization:** Refactored critical **APIs** to enhance system performance by 92.5%, reducing API latency from 400ms to 30ms by eliminating redundant inter-service calls.

SDE Intern

06/2022 – 08/2022

Xanadu Realty

Andheri East, Mumbai

- **LMS Development:** Designed and implemented a scalable **lead management application** with features like employee tracking and customer journey tracking, increasing lead conversion rates by 40% and enhancing employee engagement by 70%.
- **Performance Optimization:** Collaborated with Customer-Facing Managers to identify and address performance bottlenecks in the CRM, reducing database costs by 30% and improving user experience.

Web Developer

09/2021 – 11/2021

Photoshooto

Remote

- **Application Development:** Spearheaded a development initiative with 7 interns to create a robust marketplace platform utilizing Flutter, resulting in over 500 successful photographer bookings within the first month of launch.
- **Backend Development:** Integrated AWS S3 for image storage with CloudFront CDN, optimized load times with lazy loading and Redis caching, achieving a 60% reduction in load times and improving server response times by 45%.

EDUCATION

University at Buffalo (SUNY Buffalo)

07/2024 - Present

Master of Sciences in Computer and Information Sciences

Buffalo, NY

- Specialization: Artificial Intelligence & Machine Learning

Shiv Nadar University

07/2019 - 07/2023

Bachelor of Technology in Computer Science and Engineering

Delhi NCR, India

- Specialization: Data Science and Big Data Analytics

PROJECTS UNDERTAKEN

SNU ARC [Link](#)

04/2022 – 05/2022

- Developed a comprehensive web portal to assist students at **Shiv Nadar University (SNU)** by providing functionalities such as a **gate pass issue system**, **pay later portal**, and a **public space booking system**.

FARMART [Link](#)

08/2021 – 10/2021

- Developed an **E-commerce portal** allowing farmers to buy farm tools and sell farm produce at their desired prices, promoting local agricultural trade and the necessity of middle men.
- Integrated a Super Admin portal to monitor revenue and manage operations, providing a centralized view of activities.

CERTIFICATIONS

- Career Essentials in Generative AI by **Microsoft**
- Machine Learning Certification by **Microsoft** and Verzeo