

Rajdeep Ray

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Go, SQL, Python, C, C++, Dart, Java

Frameworks: Express.js, Koa, React, Flutter, TailwindCSS

Databases: PostgreSQL, MySQL, MongoDB, Redis, InfluxDB

Developer Tools: Docker, Google Cloud Platform, Amazon Web Services, Firebase, Supabase

EXPERIENCE

Software Development Engineer

Aug. 2023 – Present

ProblemBolo

Hyderabad (Remote)

- **Enhanced Development Efficiency and Quality:** Played a key role as a founding team member, making strategic decisions on the tech stack and database schemas, accelerating the development cycle by 40%. Implemented robust deployment practices, achieving 99.9% uptime and reducing post-deployment issues by 40%.
- **Streamlined Public Grievance Resolution:** Designed and developed all APIs from scratch, creating a seamless interface between citizens and civic authorities, improving issue resolution times by 50%.
- **Optimized Data Handling and Management:** Managed geospatial data for map functionalities, increasing accuracy and performance of location-based services by 25%. Used a hybrid approach with MongoDB and PostgreSQL, improving data retrieval speeds by 35% and ensuring robust data management.

Software Engineer - Internship

Jun. 2022 – Sept. 2022

Trigital Technologies Pvt Ltd

Hyderabad (Remote)

- **Boosted User Engagement:** Engineered dynamic link referral generation for e-commerce, resulting in a significant increase in user interaction and engagement for over 20,000 customers.
- **Enhanced System Performance:** Optimized the codebase by adding new features and REST APIs, significantly improving overall system efficiency and functionality.
- **Developed Efficient Monitoring Tools:** Built an activity logging microservice using Go-lang and InfluxDB, enabling precise and efficient data analysis and system monitoring.

Software Engineer - Internship

Jul. 2021 – Dec. 2021

AlcoveX Product Studio

Visakhapatnam (Remote)

- **Contributed to Career Fulfillment Platform:** Developed features for a platform used by colleges and universities, serving 6000+ users.
- **Developed Production-Ready APIs:** Designed, developed, and debugged APIs to production level, ensuring seamless functionality and reliability.
- **Enhanced Data Export Functionality:** Designed and implemented APIs for convenient export of 1000+ rows of data from the dashboard, improving data management and accessibility.

PROJECTS

Grievance Portal APIs | *NodeJs, Express.js, PostgreSQL, MongoDB*

- Created RESTful APIs for a grievance portal using Express.js to streamline communication between citizens and civic bodies. This system enabled users to submit grievances easily and allowed civic authorities to efficiently track, manage, and respond to these issues.
- Implemented databases including PostgreSQL for structured data and MongoDB for flexible, unstructured data management.
- Integrated map functionalities, enabling civic authorities to view and manage reported issues with map-based visualizations and coordinates.

COVID-19 App | *Flutter, Firebase, REST APIs*

- Designed and developed an app with real-time COVID-19 case tracking using MoHW and JHU data.
- Included features like state helplines, nearby test centers, and a symptom self-assessment tool.
- Ensured the app provided accurate and accessible pandemic information to support public health decisions.

EDUCATION

Gandhi Institute of Technology and Management

Bachelor of Technology – Computer Science Engineering

Hyderabad

2019 – 2023

ACHIEVEMENTS

2020 | Amongst the **top 60** teams in a national level hackathon | E-Yantra Hackathon 2020: Fighting Covid-19

2019 | Achieved **3rd position** | Smart City Hackathon JNTU-H College of Engineering