

Dhanaraj S

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"Ardent software engineer passionate in solving challenging engineering problem with strong interest in fullstack and backend development , particularly fond of large scale distributed system and its working"

Skills

- Python | Java | JavaScript | DynamoDB | MYSQL | Node | MongoDB | Express | React | React Native | Redux | jQuery | NoSQL | Git | Spring Boot | Design patterns | SOLID Principles | API | Restful API
- AWS | Cloud Computing | CI/CD | Testing/debugging| Mockito | Unit Testing | OOP | DSA | Problem Solving | Designing
- Microservices | Distributed Systems | Frontend | Backend | Full-Stack | English, Malayalam, Hindi- All professional proficiency or above

Experience

Coding Instructor **Freelance** **KL, India** **(09/2017–Present)**

- Implementing my passion for sharing the knowledge as an educator by cultivating coding , DSA skills in ages **15-18** and inspiring young minds for software professionalism thus making a better world. **Skills** : Technology , DSA, Programming , python.
- Skills ; Data structures and algorithm, Software development , Python , JS, mentoring.

Software Engineer **PricewaterhouseCoopers** **Bengaluru, India** **(09/2021 - 01/2023)**

Software Engineer

- **E-commerce** : Led the end-to-end back-end API development for pivotal E-commerce platforms having potential to generate billions of revenue every year . Streamlined Payment Module, achieving robust testing cycle using the JUnit framework. Spearheaded the application's deployment on **AWS EC2**, ensuring optimal uptime and performance. Enhanced system scalability by strategically incorporating **load balancers**. Achieve Superior System Flexibility through the successful **decoupling** of components using **message queues**. Responsibly configured the **metrics, alarms** and **dashboard**. Facilitated the software development lifecycle with **Continuous Integration/Deployment, pull requests, code reviews**.
- **HospitalManagementApplication** : Pioneered backend development of an innovative hospital management application for the doctor-patient interaction. Transformed the medical appointment experience by enabling patients to **secure slots effortlessly** and allowing doctors to manage their schedules **50%** more efficiently. Took charge of developing the doctor module. The application ensured a seamless user experience for both healthcare professionals and the clients.
- **Automation- APIs and Python**: Collaborated with mentors and leaders as part of a time critical business requirement, independently devised and executed a brand new reliable script that extracted and organized data from a collection of documents into Excel sheets with **100%** accuracy. Leveraged expertise in **APIs, Data structures & algorithms**, modern software engineering practice to automate a complex task that resulted in a **100%** increase in processing speed and eliminated manual intervention. **Mentored** demonstrated the team on how the solution was implemented.

Skill: Focused on customer/partner needs through a data driven approach and on time delivery of best-in-class solution. End to end implementation of the solution as an individual contributor.

Projects

Personal Full-Stack Blog Application **- Personal project | 10/2023 - 10/2023 |**

- Developed a very user-friendly full-stack MERN(MongoDB, Express.js, React, Node.js) blog application with integrated user authentication, a dynamic user feed, and an intuitive blog editing feature with almost **90%** faster news feed retrieval.

Movie Streaming Web Application **- Personal project | 09/2023– Ongoing |**

- Embarking on an exhilarating journey to craft cutting-edge, low-latency movie streaming experience.
- The Project is under development . Used : ReactJs, Stripe, Firebase Authentication, Redux, HTML, CSS, Git.

Personal Portfolio **- Personal project | 07/2021 - 08/2021 |**

- Out of Passion And professional needs, created portfolio site. Used tech stacks - HTML, CSS, JS.
- Integrated Contact-Me section for immediate collaboration needs, enabling portfolio visitors to connect seamlessly. This enhancement resulted in a 100% improvement in communication feasibility and user experience.

Education

BTech with (Hons.) in Computer Science **Kerala Technological University** **Kottayam, KL, India** **(07/2017 - 07/2021)**

- Major in Computer Science Engineering : GPA 9.6/10

Certifications

- AWS Developer Associate Certification
- HackerRank Problem Solving(Intermediate)
- NPTEL-The Joy Of Computing Using Python

Others

Selected for YIC(A national level idea pitching contest) - (2020)
Selected for National Olympiad (first round) - (2020)
Solved over **750** problems in Leetcode(online Data structures and Algorithms coding platform)