Roshan Kharke

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Professional Experience

Biz2x, *Software Engineer (A2)*   02.2024 - present | Noida, India
- Contributed significantly to the development of a **customer journey platform,** leveraging Angular, including the creation of reusable microfrontends and the implementation of enhancements to improve responsiveness and speed.
- Enhanced the CMS landing page with **Angular Universal** to optimize Core Web Vitals and achieve a loading time of **<1s**.
- Developed and implemented **microservices** architecture, integrating with **SQL** databases and utilizing **Redis** for caching. Successfully deployed the solution to **AWS**, resulting in a **30%** improvement in response time and a **25%** reduction in server load.

EPAM Systems, *Software Engineer (A1)*   11.2021 - 01.2024 | Hyderabad, India
- Contributed to the development of various projects for esteemed clients, including **Canadian Tire Corporation, Applied Systems and Google**.
- Proficient in building dynamic user interfaces using **Angular** and **React**.
- Collaborated with backend teams to integrate frontend components seamlessly with Spring Boot backend.
- Conducted comprehensive testing using **Karma, Jasmine, and Cypress** to ensure optimal application performance and reliability.

Skills

- High Proficiency in Data Structures and Algorithms.
- Sound understanding of **Operating Systems, Computer Networks, Object-Oriented Programming, and Design Patterns**.
- Proficient in front-end development using Angular and React, with extensive experience working with **MySQL** and **MongoDB** databases. Skilled in building robust backend applications with **Node.js**, **Express**, **Redis**, and **AWS**, and experienced in implementing real-time communication using **WebSockets**.
- Programming Languages: **C/C++(STL), Javascript, Python, Java(Core).**

Projects

Ecommerce Platform
- Developed a feature-rich e-commerce application using **MERN Stack (MongoDB, Express, React, Node.js)**.
- Integrated PayPal API for secure and efficient payment processing.
- Implemented custom authentication middleware for user access control.

Chat Application
A real-time chat room application made using **Node**, **Express and Socket.io.** It sends and shows messages to a recipient instantly without any page refresh. It supports custom usernames, join and leave messages and of course the messages to themselves all in real-time.

Task Master
To-do list app using **Flask Framework** and **SQLite Database.**

Publications

Cardiovascular Disease Classification Using Different   25.09.2020
Algorithms ⎘
A comparative study on cardiovascular disease classification using diverse machine learning algorithms on UCI Cleveland dataset. Evaluated performance metrics, precision, recall, accuracy etc. Findings contribute valuable insights for improved heart disease detection.

Education

B. Tech Computer Science, *Delhi Technological University* ⎘   2016 - 2020
CGPA - **7.32**

Kendriya Vidyalaya, J.N.U
Class XII (2016) - **89.8%**
Class X (2014) - **10 CGPA**