HARIS AKRAM

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ABOUT

*"I am a skilled **Software Engineer** with a degree in Computer Science, dedicated to continuous learning and growth. In addition to my technical skills, I have taught computer science to underprivileged children and junior students. I believe in giving back to society and using my skills to make a positive impact"*

TECHNICAL SKILLS

C++, JavaScript, Typescript, HTML, CSS, TailwindCSS, Restful API Development And Testing, GraphQL, NodeJs, ExpressJs, ReactJs, NextJs, Jest, MVC, CI/CD Github Actions. MySQL, MongoDB, Redis, SQL, Postgres, Git, VSCode, Postman, JIRA, Linux, Nginx, Docker, Firebase, Authentication And Authorization, OAuth, Redux Toolkit, RTK Query, React Router Dom, JWT, PassportJs, Clerk, Cloudinary, Multer, Socket.Io, WebRTC, Axios

PORTFOLIO 🔗

Trend
An online marketplace where users can purchase trendy goods, supported by a payment system and admin panel.
Contributions:
- Developed a comprehensive online marketplace enabling users to purchase trendy goods with **payment support.**
- Implemented a **coupon system** to allow users to avail discounts, enhancing user engagement and sales.
- Created an **admin panel** for efficient management of products, orders, and user accounts.
- Ensured secure transactions and user authentication with Bcrypt and JWT.
- Managed product images using Multer for file uploads and cloudinary for cloud storage.
- Visualized data using Chart.js for better insights into sales and user activity.

TechXpert
An online application where users can share information related to the dynamic world of technology. Supported by **content Management functionality** for admins
Contributions:
- Developed an interactive platform for users to share and discuss technology-related content.
- Implemented an admin panel for content management to ensure quality and relevance of shared information.
- Styled the user interface using TailwindCSS for a modern and responsive design.
- Managed state and API interactions efficiently with Redux Toolkit.
- Utilized Firebase for real-time data updates and authentication.
- Enhanced user experience with fast performance and optimized builds using Vite.

Crowd
An online community exclusively for the students of the University of South Asia.
Contributions:
- Developed features for creating posts, following/unfollowing users, and liking/sharing content.
- Implemented **real-time chat** using Socket.io for seamless communication between users.
- Enabled commenting functionality to foster interactive discussions within the community.
- Utilized the MERN stack (MongoDB, Express.js, React.js, Node.js) for efficient development and deployment.
- Managed server state and caching using RTK Query and API communication efficiently with Axios
- Integrated real-time activity notifications and live updates (e.g., new post likes, comments, follows, and mentions).

Ping
An interactive messaging platform for users to connect with friends and groups in real-time supporting multimedia sharing.
Contributions:
- Implemented multimedia sharing, allowing users to send audio, video, MP3 files, or other documents to friends and groups.
- Integrated Socket.io for real-time communication, ensuring instant message delivery and updates across devices
- Created scalable private/group chat functionality with real-time member status updates (online/offline/typing indicators).
- Designed and implemented secure multimedia messaging with file type validation, size limits, and progress indicators.
- Developed features for sending/receiving friend requests, creating groups, and enabling private/group chats with users.
- Built an intuitive real-time notification system using Socket.io to instantly get alerts about new messages and requests.

INTERNSHIP

Software Engineer, *Blackbird (Forage)*   *Jun 2024-Jun 2024*
- Completed a job simulation where I participated as a software engineer in a start-up environment
- Built and verified code, assessed cloud infrastructure
- Proposed a new feature to undergo A/B Testing
- Participated in sprint retrospectives to enhance cross-functional teamwork.

Backend Engineer, *AllianceTech*   *Sep 2021-Jan 2022*
- Worked on developing RESTful APIs using NodeJS and Express
- Collaborated with team members to design and implement software solutions
- Participated in code reviews and get feedback from senior team members

CERTIFICATIONS AND COURSES

- Html CSS Javascript John Hopkins University
- Version Control With Git By Atlassian
- Learn Linux Command Line
- Advanced SQL By Kaggle
- Developing Backend Apps Using NodeJs And Express By IBM
- Advanced React By Meta
- Career Essentials In Software Development By Microsoft

EDUCATION

University of South Asia, *Lahore*   *Jun 2017-May 2022*
BS Computer Science   *CGPA 3.52/4 (87%)*

VOLUNTEER EXPERIENCE

- Taught junior students programming fundamentals, OOP, databases, and operating systems.
- Founding member and volunteer teacher at Azm-e-Nau, a society dedicated to educating underprivileged children

WHY SHOULD YOU HIRE ME?

- **End-to-End Project Delivery:** I can work on end-to-end projects from frontend to backend and deployment.
- **GIT and Github:** I have good knowledge of using Github and GIT as a version control system.
- **Dockerization:** I have exposure to Docker, which is a highly useful skill in modern-day software development.
- **Cloud Computing:** I am familiar with Amazon Web Services (AWS), one of the leading cloud computing platforms.
- **Linux and Nginx Server:** I am good in using Linux and Nginx server for software development.

INTERPERSONAL SKILLS

- **Logical Thinking**: Applying clear and rational reasoning to solve problems effectively.
- **Software Debugging**: Identifying and resolving bugs and errors in software code.
- **Computer Programming**: Passion for programming. Writing, testing, and maintaining code for software applications.
- **Conflict Resolution**: Mediating and resolving disputes to maintain a productive work environment

STRENGTH

- **Problem Solver:** I approach unexpected problems with a ***can-do attitude***, trying again until I find practical solutions
- **Adaptable:** I can easily ***adapt*** to change and new situations.
- **Fast Learner:** I love ***self-learning*** and I can learn new things easily.

LANGUAGES

- Urdu
- English