MUBASHAR WARRIACH

Objective - Seeking Co-op/Internship in SE, SD, QA, ML, AI, Embedded Development, Devops, Available May - Dec 2024
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PERSONAL ACCOMPLISHMENTS

Phone Repairing Business - Successfully started and grew a business from scratch, generating a revenue of around $50,000

EDUCATION

Rochester Institute of Technology - Bachelors of Science, Software Engineering (**3.3 GPA**)   **2021-2025**
Relevant Coursework - Software Development & Problem Solving I & II, Discrete Mathematics for Computing, Software Process and Project Management, Engineering of Web Software Systems, Human Centered Requirements and Design, Engineering Secure Software, Software Design for Computing Systems (Embedded Softwares), Analysis of Algorithms

EXPERIENCE

Software Engineering Co-op | BD Medical device company   May 2024 - Present

Full Time Intern working 40 hours a week   React.js | Next.js | TypeScript | MySQL | MongoDB | Git | AWS | Docker | AI
- Collaborating with backend and frontend team to develop full stack web apps
- Implementing AI within the web apps to improve efficiency for the team
- Developing documentation website that can be used within the team to help develop better medical software
- Starting a project from ground up all by myself and deploying it.
- Managing the project and reporting directly to the VP of Regulatory Affairs.

Software Engineering Co-op | CHESS Health   May 2023 - Jan 2024

Full Time Intern working 40 hours a week   Angular | React.js | Node.js | TypeScript | MySQL | MongoDB | Git | AWS | Docker
- Collaborated with backend and frontend team to develop full stack web apps
- Achieved a 200% improvement in web app loading speed and system responsiveness by architecting reusable Angular components and implementing optimization strategies such as Lazy Loading and Pre-Loading techniques.
- Developed efficient Sequelize methods for CRUD operations, ensuring data consistency and facilitating collaboration.
- Successfully completed over 200 JIRA tickets within a Scrum environment, showcasing robust project management and teamwork skills.

PROJECTS

Trade Exchange | Webapp   Aug 2024 – Present

Website where users can view a real-time orderbook and place trades   Next.js | HTML | CSS | TypeScript | Redis | SQL | Git
- Developed a high-performance trading exchange platform utilizing WebSockets for real-time bid/ask updates.
- Designed and implemented a robust queue system using Redis to manage trade order processing, ensuring low-latency.
- Integrated NextAuth for secure and scalable user authentication, enabling OAuth providers and session management.
- Implemented server-side components in Next.js to efficiently handle data fetching and real-time updates, improving application performance.

Custom Deployment | Webapp   Jan 2024

Webapp that takes a GitHub URL and deploys the repo to AWS.   Next.js | Node.js | Express.js | AWS S3, ECR, ECS | Docker
- A system that clones Git repositories, builds Docker images, and deploys containerized applications to Amazon ECS.
- Leveraged AWS services like S3 and ECR for storage and management of application artifacts and Docker images.
- Built a scalable and efficient deployment pipeline that streamlines the process of deploying web apps to the cloud.

TECHNICAL SKILLS

Front End| Javascript, TypeScript (Angular, React.js, Next.js), CSS, TailwindCSS,
Back End| Javascript(Node.js, Express), Python (Flask, Django), Java, C, C++, No-SQL, SQL, Redis, Kafka, Docker
Developer Tools| AWS, Git, npm, MS Office Suite, Visual Studio, IntelliJ, PyCharm, Slack, Trello, Postman, BitBucket
Important Skills| Data Structures, Object-Oriented Programming, AI, Computer Science
Global Leadership Certificate Program - Developing skills to lead and manage teams in a globalized workplace.