Mohammad Ali

Software Engineer

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WORK EXPERIENCE

Full Stack Web Developer (Contract)   Oneness Edu (Non-profit) **|** Remote | Jan 2024 - Present
- Spearheaded the design, development, and deployment of a comprehensive full stack job portal, leveraging Next.js & Tailwind for the frontend, MongoDB Atlas for the backend, AWS for file storage, and Vercel for deployment, resulting in a highly user friendly and responsive platform. (https://compassionnect.ca/)
- Engineered a secure authentication system using JWT access and refresh tokens, ensuring validated user interactions between the frontend and backend.
- Led a team of developers and mentored co-op students, fostering a collaborative environment and ensuring high-quality code and project delivery.
- Crafted the organization's website, integrating Webflow, Memberstack and Circle.io to enable user membership sign-ups and access to specific features. Client satisfaction led to rehiring for subsequent projects. (https://www.onenessedu.org/)

Full Stack Developer   Sure Grip Controls | Victoria, BC | May 2022 - Jan 2023
- Improved report production efficiency by 75% - 80% through the design and implementation of five automated reporting processes, eliminating the need for manual report generation.
- Drove a 60% increase in efficiency by implementing an ABC Inventory Analysis tool, streamlining the inventory counting process and providing measurable quantities for future analysis and metrics.
- Increased tracked data for production analysis and metrics by 45% through the development, deployment, and testing of a new scanned-based production line software system, introducing a touch-less process and a comprehensive back-end.

Quality Assurance Analyst   ACD Systems Inc. | Victoria, BC | Sep 2020 - June 2021
- Contributed towards an average of 76% test coverage for all software products prior to release by conducting unit, integration, regression, API, and automated testing.
- Achieved an average five-hour defect turnaround time by meticulously collaborating with the development team to address software bugs.
- Directed QA team for a new product released through the MS Store, coordinating with developers and stakeholders, resulting in a 95% user satisfaction rating.

PROJECTS

Gym Web Application
In the process of developing a dynamic web application tailored for fitness enthusiasts. Empowering users to seamlessly register, monitor workouts and progress, and engage with an AI-driven feature for personalized workout plans.
Next.js | Tailwind CSS | Django REST | MongoDB | Redis | GitHub Repo

Personal Portfolio
Developed a user-friendly and responsive website to showcase accomplishments, qualifications, and experiences. Ensured proper access for desktop, tablet, and mobile users is provided.
Next.js | Tailwind CSS | MaterialUI | Nodemailer | Vercel | Various React Libraries | Website

NBA Hall of Fame Predictor
Implemented a successful machine learning algorithm predicting NBA Hall of Fame inductees. Merged and cleaned multiple datasets to extract the most valuable data for accurate predictions.
Python | Dataframes | Pandas | Numpy | GitHub Repo

SKILLS

Front-end Development   React.js | Next.js | HTML/CSS | Tailwind CSS | Redux | Figma
Back-end Development   Express.js | Node.js | Typescript | Python | Django | PHP | C | REST APIs
Database Management   MySQL | PostgreSQL | MongoDB | Prisma ORM | Redis
Software Testing   Selenium Testing | API Testing | Black Box Testing | White Box Testing
Project Management   GitHub | GitLab | Jira | Agile | Scrum | Microsoft Office

EDUCATION

University of Victoria   Victoria BC, Canada
Bachelor of Software Engineering