

Tariq Hirji

Software Developer

Solution-driven developer with 5+ years of experience in designing and engineering engaging user experiences.



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Work Experience

FREELANCE WEB DEVELOPER

08/2023 - Present

www.foreverhertz.com - Storefront Application

- Engineered an SEO-optimized and responsive web page
- Communicated designs and prototypes through Figma
- Integration with Squarespace CMS and MERN stack app

www.jonvinyl.com - Musician's Website

- Integrated BandsInTown API to promote upcoming tour
- Created flows leading to 250000+ streams on Spotify
- Added shop & cart functions for e-commerce capabilities

SOFTWARE DEVELOPER

05/2022 - 06/2023

Dye & Durham

Mission critical software for legal, financial and business.

- Optimized server performance by constructing fetch diagrams of 5 processes which identified a reduction of 17% database requests needed.
- Spearheaded Proof of Concept for a Microsoft Office Add-in and produced working .NET and Angular versions.
- Developed full-stack API requests for CRUD operations of 12 unique models utilizing JavaScript and C#.
- Refactored 12% of security dependencies that were identified in Splunk error logs of core Angular repository.
- Contributed to sprint meetings of 15+ teammates and to product Jira and GitHub tools on a regular basis.

RESEARCH ANALYST

Ontario Ministry of Environment 05/2018 - 09/2018

- Presented data visualizations to Assistant Deputy Minister
- Generated 6 queries in Microsoft Access from 20+ tables
- Investigated trends in Tableau of 150+ toxic hazards in ON



Technical Projects

Degree Planner

Hackathon

React.js

Full-Stack Web Application

- Developed a platform in 48hrs allowing students to visually plan their academics using React and Node.js.
- Integrated a public UBC API to populate platform with over 1600 courses and 45+ academic paths.
- Designed an immersive UX with a range of visual graphs implemented with Apache E-charts.
- Organized into 8-hr sprints using Jira to prioritize functionality of application and responsibility of tasks.

Raspberry Pong

OpenCV

Robotics

Raspberry Pi Team Project

- Engineered software and hardware utilizing a Raspberry Pi that can rotate around a base, detect a red cup on a table, determine the distance to the cup, calculate the angle to shoot the ball at, adjust itself to match the angle and execute the shot with 100% accuracy.
- Utilized OpenCV to detect color and communicate results with 4 hardware APIs.



Skills

FRONTEND

HTML, CSS, JavaScript, React.js, Next.js, Tailwind CSS, TypeScript, Bootstrap, Angular, Material UI, Vue, handlebars

BACKEND

Node.js, REST, Java, Spring Boot, Python, SQL, PostgreSQL, MongoDB, PHP, C#, C++, Squarespace CMS, Shopify CMS

DATA SCIENCE

Anaconda, Jupyter, NumPy, Pandas, SciPy, Sklearn, Seaborn

DESIGN & DEVOPS

GitHub, Figma, Jira, Adobe XD, Docker, BitBucket, Slack, Trello

TESTING TOOLS

Postman, Jest, Selenium, Playwright



Education

University of Western Ontario

London, Ontario

2016 - 2021

HBSc in Computer Science



Coursework

Human-Computer Interaction

98

Data Science

94

Artificial Intelligence

94

Databases

91