



Dixant Patel

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 dixant.design.blog/

Skills

Languages: Java, C, JavaScript, Python, HTML/CSS
Frameworks: ReactJS, RxJS, JEST, Swagger, REST, Styled Components, Redux, NodeJS
Database Systems: MySQL, Oracle SQL, MS SQL Server.
Tools: GitHub, Atlassian, Slack, VS Code, Visual Studio

Experience

Software Developer (Full Stack)

Canvass Analytics – Head Office, Toronto Ontario
June 2019 – December 2019

- Improved UX by a **factor of 4** by automating and implementing **data-structures** such as a **LRU cache** to prevent users from fetching frequently used data repeatedly and improving UI for easier access.
- Designed and implemented algorithm to locate best case time-series data using RegEx and a **custom scoring algorithm**.
- took part in sprint planning and sizing by iteratively improving development methodologies and identifying showstoppers and workarounds to reoccurring issues.
- Implemented **RESTful API** to bridge virtual communication between client and server for AI/ML functionality.
- Created unit tests with the use of **JEST** to have quality assurance and control of features being deployed.
- Developed groundwork for implementing a user-management system for well-defined user-roles.
- Created Scriptes to Automate file creation of various sizes for system testing.

Education

Bachelor of Computing Honors

Software Engineering: Co-op

Minor - Honors **Mathematics**

University of Guelph

- 31 in school Computer Science Projects
- 3 personal projects
- 90% in user interface design course and 84% in human computer interactions

Projects

Database Migration

December 2020 – February 2021

- Initiated and currently in process of full database migration from **Oracle to Microsoft SQL Server**
- Client Specific Java applet development for inventory, utility, and other product Systems
- Use of Auto Hot Key to automate daily development tasks.

Portfolio website

- Developing portfolio website using ReactJS - **www.dixantpatel.com**
- Added emailing functionality using **EmailJS** to allow visitor to send me an email with information.
- Creating components and styled objects using Styld

Teams

Lead Programmer and Team Manager

September 2015 – June 2016

Robotics: FRC team 5094

- Helped Organize and manage a team of individuals participating in the competition
- Programmed Robot to complete tasks and instructions of said competition

Major League Hacking (MLH)

Real-Time Video Game Stats Visualizer

Nov 2019.

- Designed and implemented **RESTful API** to receive public user data from open endpoints.
- Used Frameworks like Styled-Components to make use of dynamic CSS styling.
- Incorporated the use of react-bootstrap to make UI visually cleaner