

# Abdullah Aqeel

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## Education

**Memorial University of Newfoundland**

**Bachelor of Science in Computer Science**

- Faculty of Science Dean's Honor List 2022-2023

September 2020 – December 2024

St. John's, NL

## Technical Skills

**Skills:** Java, Python, NumPy, SQL, JavaScript, HTML, CSS, React, TypeScript, NodeJS

**Frameworks:** ReactJS, JUnit, WordPress, MongoDB, Bootstrap

**Developer Tools:** Git, Postman, MongoDB Compass, Jira, Slack, npm, pip

## Experience

### Software Developer

June 2023 – Present

**building-u** | ReactJS, CSS3, Wordpress, NodeJS, Laravel, GitHub, Jira, Flock

St. John's, NL

- Conducting comprehensive testing of API endpoints using Postman to ensure reliability and functionality.
- Integrated React components for seamless UI-backend data flow, actively supporting CI/CD for code delivery.
- Collaborating on migration of the BuildingU website from WordPress to MERN stack to enhance performance.
- Conducting regular code reviews with colleagues to maintain code quality in adherence to industry best practices.
- Optimized front-end performance by implementing caching techniques, lazy loading, and code optimization.
- Mentoring high-school students on fundamental concepts of computer science and web development.
- Creating coding exercises for high-school students and conducting code reviews to improve their coding skills.
- Implemented performance metrics to track students' coding proficiency, fostering continuous improvement.

### Technical Coordinator

April 2022 – Present

**Memorial University of Newfoundland, Pakistan Student Association**

St. John's, NL

- Managed technical aspects and collaborated with cross-functional teams to ensure seamless success in events.
- Demonstrated strong financial acumen by efficiently handling budget, using Excel to track expenditures.

## Projects

**SignMeUp - Student Course Registration Portal** | MongoDB, JavaScript, TypeScript, Mocha

May 2023

- Led a team of developers through agile methodologies, ensuring a disciplined and timely development cycle.
- Implemented crucial features for course enrollment using jQuery, resulting in efficient administrative processes.
- Applied Mocha for feature testing, ensuring robust and reliable functionality across the application.
- Integrated a fully functional authentication system with JWT Token for secure user login and management.

**Data Manipulation and Analytical Projects** | Python, Numpy, Pandas, Matplotlib

March 2023

- Achieved proficiency in data manipulation using pandas and numpy, handling datasets with 100+ rows and columns.
- Implemented rigorous data validation and cleansing procedures to ensure the integrity of extensive datasets.
- Developed custom algorithms to extract relevant subsets based on specific criteria, enabling streamlined analysis.
- Utilized matplotlib to create insightful data visualizations, including line plots, and scatter plots, to represent complex relationships within the data.

**My Day's Must Do's Full Stack MERN App** | MongoDB, Express, React, NodeJS

January 2023

- Engineered a responsive, full-stack to-do list web application with robust CRUD functionality.
- Implemented bcrypt hashing, salting, and JWT-based user authentication to enhance data security.
- Used MongoDB on the server-side to facilitate robust database management, enabling real-time data updates.
- Created a sophisticated back-end server for the application using JavaScript and REST API architecture.

**Abdullah's Terminal Based Web App** | CSS, HTML, JS, ReactJS, Git

July 2022

- Utilized ReactJS to craft the frontend, replicating the macOS terminal while ensuring a responsive design.
- Designed and implemented custom command functionalities using JavaScript enabling dynamic responses.
- Engineered a user-engaging website capable of processing custom commands and retrieving my information.
- Successfully deployed the website using GitHub Pages with git commands, ensuring easy accessibility for users.

**Academic Team Project: KingDomino Game** | Java, JFrame, SwingX, Git, Jira, JUnit

May 2022

- Collaborated actively in the advancement of the group project, augmenting the codebase by over 400 lines.
- Maintained a seamless online repository and implemented version control through GitHub.
- Developed a comprehensive GUI using Java's Swing class, providing an engaging and user-friendly experience.
- Executed in-depth unit testing on modules through the development of precise test cases using JUnit.