

# Abdulaziz Turonov

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## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, C#, SQL, JavaScript, TypeScript, HTML/CSS, XML, MATLAB, VHDL/Verilog  
**Frameworks:** React, Vue, Node.js, Express, .NET, Flask, FastAPI, Android SDK, PostgreSQL, SQLite, Pandas, NumPy  
**Tools:** Git, Grafana, Docker, Qt, Bash, Linux, Jira, CI/CD, Android Studio, Firebase, Excel

## WORK EXPERIENCE

### Software Developer Intern

May 2024 – August 2024

*Angler Solutions Inc.*

*St. John's, NL*

- Implemented full-stack solutions with **Vue**, **TypeScript**, **FastAPI**, and **PostgreSQL**, streamlining system operations.
- Corrected data transmission errors, boosting system accuracy by **50%** with Vue and FastAPI, ensuring reliable data flow.
- Developed a password recovery system with **Nuxt**, **TypeScript**, and FastAPI, improving user experience and security.
- Enhanced security with token automation, achieving **99.9%** system uptime and minimizing unauthorized access incidents.
- Created a **Random Forest** model, predicting wind speeds with **95%** accuracy, improving data analysis.
- Optimized **SQL** queries and database performance, enhancing data retrieval speed and reducing latency.
- Increased backend data processing speed by **60%** using **Pandas** and **NumPy**, cutting API response times by **70%**.

### Intern Full Stack Developer

August 2023 – December 2023

*Bluedrop ISM*

*St. John's, NL*

- Implemented user metrics tracking with **JavaScript**, **React**, and **Grafana**, covering **96%** of activities for over **1000** users.
- Enhanced web platform features, improving frontend performance and user experience with **JavaScript** and **React**.
- Utilized **PostgreSQL** for efficient data management and retrieval, improving application performance.
- Managed code updates and collaboration for **30+** members using **Git**, **Jira**, and **CI/CD**.
- Conducted unit testing, code reviews, and implemented CI/CD practices to ensure code quality and stability.
- Proactively identified and resolved critical bugs, enhancing web platform stability and reducing downtime by **20%**.
- Developed and modified **RESTful APIs** for dynamic data interaction, improving system integration using **Express** and **Node.js**.

### Computer Engineering Intern

February 2023 – May 2023

*Memorial University of Newfoundland*

*St. John's, NL*

- Integrated AI to generate website guides using API technology, reducing guide creation time by **50%**.
- Designed a **Python Flask**-based REST API with **OpenAI API** for real-time dynamic data, improving response times.
- Created a responsive front-end with **HTML**, **CSS**, and **JavaScript** for seamless user experience.
- Assisted in managing MUN web pages using **WordPress** and **T4**, streamlining content updates.
- Enhanced website accessibility and performance, ensuring compliance with web standards and improving load times.

### Software Developer

October 2023 – May 2024

*Paradigm Engineering (Student Group)*

*St. John's, NL*

- Implemented real-time go-kart navigation features using **ROS2** and **Python**, enhancing system performance and reliability.
- Implemented real-time cone recognition for road navigation using the **YOLO algorithm**.
- Utilized **Git** for effective team collaboration in a **Linux** and **Bash** environment.
- Enhanced the Paradigm Engineering website using **Astro**, **Tailwind CSS**, and **JavaScript**.

## PROJECTS

### Soft Step | *Java, Android SDK, SQLite, XML, Android Studio, Firebase, Git*

January 2024 – June 2024

- Developed "Soft Step" app for Parkinson's patients using **Java**, reducing condition progression by **35%**.
- Constructed personalized profiles with **SQLite** for custom exercise plans and notifications using **Firebase**.
- Built a content-based recommender system to match user profiles with suitable exercises, enhancing personalization.
- Crafted user-friendly **UI with XML in Android Studio**, focusing on accessibility.

### Carbon Repay | *JavaScript, React, Bootstrap, Express, Node, MongoDB*

March 2023 – May 2023

- Built a full-stack app to track and reduce vehicle carbon emissions by **20%** for users and businesses.
- Implemented RESTful APIs with **Node.js** and **Express** for managing vehicle data and emissions calculations.
- Designed a responsive frontend using **React** and **Bootstrap**, enhancing user experience and engagement.
- Implemented user authentication and different user roles, ensuring secure and personalized access.

## EDUCATION

### Memorial University of Newfoundland

*Bachelor of Computer Engineering, Term 6*

*St. John's, NL*

*September 2020 – May 2026*