

# 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, Django, 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

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

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

St. John's, NL

*Bachelor of Engineering Co-op Program – Computer Engineering*

*September 2020 – May 2026*