Abenezer Tessema

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EDUCATION

Bachelor of Sciences Honours Applied Computer Science — Expected August 2026
University of Winnipeg — *Winnipeg, MB*
- Member of the University of Winnipeg Applied Computer Science Students Association (UWACSSA)
- Coursework: Fundamentals of OOP, Data Structures and Algorithms, Database Systems, Computer Architecture and System Software, Human-Computer Interaction, Systems Analysis, Design Analysis.
- Second Prize, UWACSSA Hackathon: Awarded 2nd prize for Synchronized Sports Calendar project.

WORK EXPERIENCE

Software Developer Intern — May. 2024 – Sept.2024
PolySense Solutions — *Winnipeg, MB*
- Spearheaded the development of **responsive** web pages using JavaScript, Bootstrap, HTML, CSS, & TailwindCSS to boost customer satisfaction by 45%.
- Implemented visual elements to enhance user experience based on design feedback and client requirements.
- Addressed client needs and formulated a Product Backlog that increased development efficiency by 50%.
- Demonstrated interpersonal communication skills within a Startup Environment with **Agile** software development methodologies such as Kanban and Scrum.

PROJECTS

SportStack Hackathon Project | *Java, REST API, Figma, Git* — Jan. 2023 – Present
- Implemented a calendar sync feature using a **Rest API**.
- This implementation further allows the user to sync the event with other platforms.
- Streamlined development to make the application efficient using multiple **Object-Oriented principles**.

Automated SMS Motivator | *Java, REST API, Maven, Spring Boot, Git, Postman* — Jan. 2024 – Present
- Developed a **REST API** utilizing the Twilio **API** & **Springboot** for proactive productivity enhancement.
- Performed phone number **validation** utilizing **Google's libphonenumber API** within the application, ensuring its **accuracy** before sending SMS messages.
- Conducted **testing** and **debugging** using **Postman** to guarantee the reliability and effectiveness of the SMS system, ensuring seamless operation.

School Management System | *Java, Maven, Spring Boot, Git, PostgreSQL, Bootstrap, JS* — Dec. 2023–Present
- Spearheaded the development of a comprehensive Full Stack School Management System using **Spring Boot**, facilitating **efficient** student **registration**, **management**, and teacher **administration**.
- I utilized **Thymeleaf** for server-side templating, **Bootstrap** for responsive design, and **JavaScript** for client-side interactions.
- Implemented robust features for student registration, including **data validation** and **persistence**, leveraging **Spring Data** JPA for seamless database interaction.
- Utilized **PostgreSQL** as the RDBMS for storing student and teacher information, **ensuring data integrity** and **scalability**.

ThirdPlace | *Java, SpringBoot, Gradle, Git, PostgreSQL, TypeScript, React.js/ts* — Sept. 2024 – Present
- Spearheaded the development of a Full Stack social networking platform using Spring Boot in the backend and ReactTS in the frontend.
- Implemented the business logic using the best practices, creating validation rules to ensure that the CRUD operations were seamless and secure.
- Modeled core principles of Agile by collaborating, prioritizing, and ensuring Scrum methodologies were followed to increase efficiency 30%
- Successfully designed database schema for effortless communication with backend service and made use of AJAX for Full Stack integration.

TECHNICAL SKILLS

Languages: Java, PostgreSQL, SQL, JavaScript, HTML/CSS, Markdown, TypeScript.
Frameworks & Libraries: Spring Boot, Spring MVC, Spring Data JPA, React, TailwindCSS, Next.js/ts, BootStrap.
Technologies: Docker, PgAdmin, PSQL.
Skills: Agile Methodologies: Scrum, Kanban, SDLC (Software Development Life-Cycle).