

Tyler Le

Software Developer

Career@TylerLe.ca | (587)-892-8745 | TylerLe.ca | Calgary, AB

Work Experience

Teaching Assistant - C#, ComIT – Calgary, AB Jan 2025 - Present

- Conducted weekly lab sessions for a class of **15+** students, providing hands-on guidance in C# programming concepts, including object-oriented programming, LINQ, and **ASP.NET**.
- Assisted students in debugging code and understanding C# principles, such as asynchronous programming and exception handling

Backend Developer, SunSab – Calgary, AB May 2024 - Sept 2024

- Led the development of a wellbore trajectory graphing web application, managing a team of 5 and utilizing **C#, React**, and **Next.js** to deliver a robust solution, reducing project delivery time by **30%**
- Enhanced data visualization by implementing advanced 2D and 3D graphing with PlotlyJS, ensuring intuitive presentation of complex datasets
- Improved project outcomes by deploying with DigitalOcean and Docker and implementing Agile Scrum methodologies, resulting in **100%** on-time delivery across sprints
- Acted as the primary connection between stakeholders and the team, resolving bottlenecks, managing priorities, and ensuring high code quality through rigorous reviews

Education

Southern Alberta Institute of Southern Technology (SAIT) – Diploma in Software Development Apr 2024

ComIT – Cert in Full-Stack Java Development Dec 2024

University of Lethbridge - BS in Computer Science Expected Apr 2027

Projects

KTManaging – Construction Workforce and Payroll Management System

- Developed a **construction workforce and payroll management platform** using **Java/MySQL** for backend and **Next.js** for frontend to manage employee assignments, hours, and payroll
- Automated **payroll calculations** by integrating time-tracking with the backend to dynamically calculate wages based on the number of hours worked at each employee's current pay rate, reducing manual effort by **80%**
- Implemented a feature to **generate professional PDF payroll summaries**, enabling easy and accurate payroll reporting
- Designed **real-time dashboards** for job assignments and payroll summaries, ensuring operational transparency and minimizing data discrepancies

DrillPilot – Industrial Drilling Operations Tracker

drillpilot.vercel.app

- Designed and developed DrillPilot, an operations management tool for tracking and optimizing industrial drilling processes, using **React** and **C#**
- Integrated 3D, bird's-eye, and side-view visualizations of drill holes, enabling operators and engineers to analyze drilling paths and monitor depths and trajectories with precision
- Utilized Jira and Agile methodologies to coordinate development sprints, allowing for continuous feedback and iterative improvements aligned with project goals
- Reduced manual data entry errors by 60% and improved data retrieval speed by implementing a microservices architecture with optimized RESTful APIs

Skills

Programming Languages: Java, JavaScript, C#, Python

Frameworks & Libraries: React.js, Next.js, Node.js, Tailwind, React Native

Backend & Databases: RESTful APIs, Spring Boot, Hibernate, MongoDB, PL/SQL, MySQL

Tools & Development: IntelliJ, Docker, Git, Linux, Agile, Jira, Software Unit Testing, OOP