

Drew Glasser-Brown
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Professional Summary

Passionate and detail-oriented software developer with a strong foundation in full-stack web development, system programming, and software design. Experienced in C#, Blazor, JavaScript, Vue.js, Express.js, TypeORM, and memory management in C. Successfully collaborated on a real-world project, which is a paramedic training application for an industry client. Also worked on an UNO game project using Java and FXML. Eager to contribute to a dynamic development team and tackle complex problems.

Technical Skills

- Programming Languages: C#, Python, Java, JavaScript, TypeScript, SQL, C, and Swift
- Frontend Development: Vue.js, Next.js, HTML, CSS, Blazor
- Backend Development: Express.js, Node.js, TypeORM, Entity Framework, and RESTful APIs.
- Database: SQLite, Oracle SQL, SQL Fundamentals.
- Software Development Concepts: Data structures & Algorithms, Memory Management, and Object-Oriented Programming
- Mobile Development: Java (Android Studio), Swift (iOS), and C# (Xamarin)
- Tools & Platforms: Git, Bitbucket, GitHub, Visual Studio, VS Code, and JetBrains IDEs, Docker, Jenkins, Prometheus, Grafana, Terraform, Kubernetes (Minikube), Google Cloud Platform (App Engine)
- Soft Skills: Problem-Solving, Teamwork, Communication, and Agile Development.

Education

Saskatchewan Polytechnic, Saskatoon, SK
Computer Systems Technology Diploma

August 2023 – June 2025

- Relevant Course Material: Data Structures & Algorithms, Full-Stack Web Development, Operating Systems, Object-Oriented Programming, Database Management, Memory Management in C, Low-Level Programming, Mobile Development (Android, and iOS), and User Experience (UX) Design.

University of Regina, Regina, SK

January 2016 – April 2018

- Explored various fields of study to determine my career interests.

Project Experience

Paramedic Training Application (COSA Project)

- Collaborated with a real industry client to develop a training application for paramedic students and instructors.

- Developed the “Create a New Care Plan” feature using C#, Blazor, Entity Framework, SQLite, and MermaidJS. As steps are added, the flowchart updates in real-time, providing instant feedback for users.
- Developed additional instructor features for care plan visualization and drug monograph integration, improving accessibility and decision-making for paramedics.
- Ensured clean, maintainable code and followed agile methodologies within a development team.

UNO Game (Mock COSA Project)

- Built a Java-based UNO card game with a team over a one-month sprint.
- Used FXML for the UI, JavaFX for animations, and applied object-oriented design patterns.
- Gained experience in team collaboration, version control, and agile development.

GCP DevOps Sandbox (Personal Project)

- Built a Python FastAPI to test DevOps/Platform Engineering technologies over a 2 week period.
- Gained experience using tools like: Google Cloud Platform (GCP), Docker, Kubernetes (Minikube), Prometheus, Grafana, Jenkins and Terraform.

Full-Stack Web Development (Personal & Course Projects)

- Developed a RESTful API using Express.js, TypeORM, and SQLite.
- Built a Vue.js frontend with responsive design and authentication features using JSON Web Tokens (JWT) for secure authentication.

Mobile Development Projects

- Android Development: Built a meal planning Android app using Java and Android Studio.
- iOS Development: Developed iOS applications in Swift, with plans to explore a cross-platform framework.
- Focused on responsive design, mobile user experience, and platform-specific optimizations.

Work Experience

International Clothiers, Regina, SK

February 2015 – December 2015

Keyholder

- Managed daily operations, including opening/closing the store and handling cash deposits.
- Trained new employees and provided exceptional customer service.

Volunteer Experience

CNIB Foundation, Regina, SK

2018

Media Spokesperson

References available upon request.