

Sila Demirkaya

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EDUCATION

Southern Alberta Institute of Technology GPA: 3.87

Bachelor of Technology - Software Development

Calgary, AB

Sep. 2023 – May 2025

- Aspiring Software Engineer skilled in C#, .NET, React, and SQL, with a passion for building real-world applications.

PROJECTS

Simplif.ai | React, JavaScript, Chrome Extensions API, Web Speech API

February 2025 – March 2025

- Built a Chrome extension to improve accessibility, solving challenges related to visual impairments through dark mode, TTS, and OpenDyslexic support.
- Stored user settings and used Web Speech API for real-time voice output.

CoCo Fresh Tea and Juice Website | React, Next.js, SQL, Vercel, Tailwind CSS

September 2024 – Present

- Building a responsive website for CoCo Bubble Tea's Calgary division.
- Creating features like a "Build Your Drink" visualization and an interactive store locator.
- Designing a user-friendly interface with React and Next.js, optimized for mobile and desktop.
- Conducting testing and deploying the website on Vercel for scalability and performance.
- Connected frontend with RESTful APIs and handled JSON responses.
- Applied best practices for secure user data handling and input validation.

Budget Plant App | React Native, JavaScript, Firebase, Git

November 2024 – January 2025

- Developed a budget management app to track spending and savings.
- Built reusable React Native components for history logs, taskbar, and pop-ups.
- Integrated Firebase Authentication and Github OAuth for secure login.
- Designed custom UI elements for a clean, modern interface.
- Tested and debugged for cross-device compatibility and smooth user experience.

EXPERIENCE

Computer Engineer Project Manager

May 2025 – Present

The Foundation of the Energy Collective (FEC)

Calgary, Alberta

- Designed and developed FEC's official website to showcase the organization's mission, projects, and donation portal.
- Built a secure admin panel with role-based access using Keycloak and Firebase, allowing staff to manage products and submissions.
- Integrated Stripe for donations and implemented spam-protected contact forms using reCAPTCHA and Nodemailer.
- Collaborated with the team to define requirements and deliver features like project suggestions and donor recognition.
- Led frontend/backend integration using Next.js, PostgreSQL, Prisma ORM, and Node.js for full-stack functionality.

Web Developer (Freelance)

April 2025 – Present

BIOCCM (bioccm.ca)

Calgary, Alberta

- Collaborating with the team to redesign and modernize the BIOCCM website.
- Implementing updated layouts, color schemes, and marketing visuals to enhance user engagement.
- Developing responsive UI components and optimizing site performance.
- Applying design and UX best practices to strengthen the organization's online presence.

TECHNICAL SKILLS

Languages: C#, Java, Python, JavaScript, TypeScript, SQL, HTML/CSS

Frameworks: .NET, React, React Native, Next.js, Node.js, FastAPI, JUnit, Tailwind CSS, Android Studio

Dev Tools: Git, GitHub, Firebase, Google Cloud, VS Code, Docker, Postman, Figma, Jira

Authentication & Security: Firebase Auth, Keycloak, reCAPTCHA, HoneyPot

Cloud/Hosting: Vercel, Oracle

Database: PostgreSQL, MongoDB

Other: UI/UX Design, REST API Development, Mobile App Development, Testing, Fast learner with experience quickly adapting to new frameworks and APIs.