

## DIMITAR JANEVSKI

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### EDUCATION

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**University of Calgary**, BSc in Software Engineering | GPA: 3.92/4.00 September 2020 – April 2025

- Seymour Schulich Community Service/Entrepreneurship Prestige Award, Dean's List (2020-2023)

### WORK EXPERIENCE

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**TikTok** | Software Engineering Intern | Vancouver, BC January 2024 – April 2024

- Incoming intern working on content moderation process systems, risk insight systems, and more.

**Tesla** | Software Engineering Intern | Austin, TX September 2023 – December 2023

- Spearheaded the refactoring of entire **React** app by consolidating **5** tools into a single page, improving UX by eliminating inter-tool loading, and optimizing state management with **React Query** and **Zustand**.
- Built a tool using **React**, **TypeScript**, **Python**, and **GraphQL**, to visualize factory design quality checks, saving **\$100k+** by detecting critical layout flaws pre-production and enabling early-stage resolution.
- Improved the animation of material flow and aisle congestion in Gigafactories using **DeckGL**, assisting **75+** engineers in optimizing and iterating on designs faster, as a result saving both time and money.
- Introduced end-to-end type safety using **gql-codegen**, eliminating **100%** of runtime API type errors.

**Semgrep** | Software Engineering Intern | San Francisco, CA June 2023 – August 2023

- Series C start-up building security tools used by companies like Snowflake, Lyft, Shopify, and more.
- Designed and built a notification system using **React**, **TypeScript**, **Flask** and **PostgreSQL**, increasing users' awareness of security vulnerabilities by enabling **200+** developers to send in-app notifications.
- Developed a full-stack usage limit alert system leading to a **15%** rise in plan upgrade conversions.
- Implemented an interactive onboarding for new users leading to a **13%** increase in new user retention.

**FansFirst Tickets Inc.** | Lead Software Engineer | Remote May 2022 – June 2023

- Onboarded and managed a team of **3** developers in the development of new features for **25k+** users.
- Drove the expansion of the site by adding **10** teams to the site, leading to a **42%** increase in revenue.
- Improved site stability by refactoring legacy code, leading to a **68%** decrease in critical site crashes.
- Introduced an **Agile** workflow with Kanban and weekly stand-ups, improving time-to-market by **23%**.

**FansFirst Tickets Inc.** | Full Stack Engineer | Remote January 2022 – May 2022

- Implemented the **React** frontend of a new seller dashboard leading to a **25%** increase in user listings.
- Built an end-to-end blog system using **React**, **Python**, **AWS Lambda**, **S3**, and **CloudFormation**, leading to a **32%** increase in organic web traffic and a **21%** increase in Google search query performance.
- Wrote a **Python** fraud detection algorithm utilizing user info, transaction history, 3DS2, and AVS verification, resulting in a **45%** increase in fraud detection accuracy and **\$225K+** saved in fraud loss.

**Tech For Good Inc.** | Software Engineering Intern | Remote June 2021 – August 2021

- Collaborated with a team of 8 in developing cache-based internet access to parts of rural Africa.
- Developed a **Python** script to collect and transmit device data to **AWS IoT Core** using **MQTT**.
- Spearheaded the **Docker** containerization of **Node.js** server, optimizing scalability and deployment.

### PROJECTS AND LEADERSHIP

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**Schulich Ignite** | Vice President of Content Development/Mentor

- Oversaw a **15**-member team in the development of **Python** lectures for **400+** high school students as well as tech used by **100+** members; organized hackathon for **30+** students; mentored **8** students.

**Sketch Royale** | Full Stack Developer | <https://github.com/dimitar-j/SketchRoyale>

- Built a **distributed** web-based multiplayer drawing game using **React**, **TypeScript**, and **Node.js**.
- Developed the game's frontend; added backend support for live drawing and chats using **WebSockets**.
- Implemented a distributed backend with fault tolerance, passive replication, and client-side failover.

### SKILLS

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JavaScript | Node.js | HTML/CSS | React | Python | Java | C/C++ | AWS | GCP | Linux | Git | Docker | CI/CD