# DIMITAR JANEVSKI

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## EDUCATION

**University of Calgary,** BSc in Software Engineering | GPA: 3.92/4.00                September 2020 – April 2025
- **Awards:** Seymour Schulich Community Service/Entrepreneurship Prestige Award ($39,450), Dean's List
- **Relevant Coursework:** Database Management, Operating Systems, Distributed Systems, Data Structures and Algorithms, Software Architecture, Computer Networks, Software Testing, Software Design

## WORK EXPERIENCE

**TikTok** | Software Engineering Intern | Vancouver, BC                January 2024 – April 2024
- Working on content moderation process systems, risk insight systems, and more using **Golang**.

**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.
- 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

**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

**Languages:** Python, TypeScript, JavaScript, Java, C, C++, Golang, SQL, HTML, CSS
**Frameworks:** React, Node.js, Django, Gin, Flask, FastAPI, Spring Boot
**Tools:** Amazon Web Services (AWS), Google Cloud Platform (GCP), Linux, Git, Docker, GraphQL, REST APIs, GitHub Actions, Redux, PostgreSQL, MongoDB, MySQL, Jest, Junit, Kubernetes, Grafana, Mockito, Kafka, Redis