

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 – July 2024

- Drove the implementation of Family Pairing in TikTok Notes by utilizing **event driven design**, and **RPC** and **REST API** development in **Go**, enabling **70k** users to use Family Pairing safety features on app launch.
- Developed a data pipeline using **SQL**, **Kafka** and **FaaS** to enable Screen Time updates for **390M** users.
- Implemented **2** new report statuses in **Go** microservice, improving transparency for **80k** daily affected video reports; added backend support for reporting live typing Gif recommendations in DMs.

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, guiding them through using **10** key pages.

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.
- 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.
- 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.

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 (Go), SQL, HTML, CSS

Frameworks: React, Node.js, Django, Gin, Flask, FastAPI, Spring Boot, Gin, Kite

Tools: Amazon Web Services (AWS), Google Cloud Platform (GCP), Linux, Git, RPC, Docker, GraphQL, REST APIs, GitHub Actions, Redux, PostgreSQL, MongoDB, MySQL, Jest, Thrift, Kubernetes, Grafana, Mockito, Kafka, Redis