

DIMITAR JANEVSKI

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EDUCATION

University of Calgary

Bachelor of Science in Software Engineering, GPA: 3.92/4.00

Calgary, AB

September 2020 – April 2025

EXPERIENCE

TikTok

January 2024 – July 2024

Software Engineering Intern

Vancouver, BC

- Led the implementation of Family Pairing in TikTok Notes using **Go**, **Redis**, and **RocketMQ**, by developing **RPC** and **REST API** endpoints, enabling **70k** users to access Family Pairing safety features at app launch.
- Developed **Go** backend with **19 APIs**, integrating **7** downstream microservices and **5** Database and Data Warehouse tables, for a new platform that analyzes critical protection features for high-profile users.
- 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 reports.

Tesla

September 2023 – December 2023

Software Engineering Intern

Austin, TX

- Refactored core **React** app by consolidating **5** tools into **1**, eliminating inter-tool loading; optimized state management with **React Query** and **Zustand**, and implemented end-to-end type safety with **gql-codegen**.
- 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 **React** and **deck.gl**, assisting **75+** engineers in optimizing and iterating on designs faster, as a result saving both time and money.

Semgrep

June 2023 – August 2023

Software Engineering Intern

San Francisco, CA

- Series C start-up building security tools used by companies like Snowflake, Lyft, Shopify, and more.
- Designed and built a notification system using **React**, **Flask**, **Python** 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 interactive on-boarding with **React/TypeScript**, teaching new users how to use **10** key pages.

FansFirst Tickets Inc.

May 2022 – June 2023

Lead Software Engineer

Calgary, AB

- On-boarded 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

- 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 | React, TypeScript, Node.js, WebSockets

- Developed the frontend for a web-based multiplayer game and added backend support for live drawing and chats.
- Implemented a distributed backend with fault tolerance, passive replication, and client-side failover.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, C, C++, Golang (Go), SQL, HTML, CSS

Frameworks: React, Node.js, Django, 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