

# Marko Prodanovic

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## Skills

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**Programming Languages:** JavaScript, TypeScript, Python, Go, HTML, CSS, SQL

**Libraries & Frameworks:** React, React Native, Next.js, Node.js, Tailwind, Express, NextAuth.js, Pandas

**Tools:** Git/GitHub, Docker, Figma, SQLite, TestFlight, Drizzle ORM, Jira, Tableau, Jupyter Notebook, Grafana

## Experience

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### Software Developer @ BarrelWise Technologies

Jun 2022 - Feb 2024

- ▶ Built and maintained customer-facing app using React Native and TypeScript - with camera functionality, barcode/QR code scanning, push notifications, multi-language support, and built-in chat service
- ▶ Produced UI designs and wireframes for internal and external stakeholders, improving developer productivity and client transparency
- ▶ Devised and implemented mobile device fleet management and distribution strategy to keep software systems up-to-date
- ▶ Implemented gRPC service in Python and Go allowing team to build rapidly in Python and seamlessly integrate with our Go backend
- ▶ Contributed to development of BarrelWise web app (React), REST API (Go) and database operations (gocraft/db, PostgreSQL)

### Data Analyst @ UBC Sauder

Jan 2020 - May 2022

- ▶ Delivered data insights for teaching and learning through visualizations, dashboards and reporting done using Jupyter Notebook and Tableau
- ▶ Implemented and maintained custom video-branding tool written in Python, ffmpeg and Panopto API - the tool has processed and delivered over 900 instructional videos for UBC since September 2020.
- ▶ Programmatically scheduled over 6000 lecture recordings over 4 months during post-pandemic return to campus (Python, Panopto SOAP and REST API)
- ▶ Developed and implemented processes for collecting and processing data from various learning systems including Canvas and Panopto
- ▶ Organizer for the 2020 UBC Learning Analytics Hackathon and mentor for the 2023 UBC Learning Analytics Hackathon

## Education

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**Bachelor of Media Studies** University of British Columbia, 2019

**Computer Science Minor** University of British Columbia, 2019

## Relevant Coursework

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Intro to Software Engineering

Software Construction

Advanced Relational Databases

Intro to Artificial Intelligence

Algorithms and Data Structures

Definition of Programming Languages

Human Computer Interaction Methods

Intro to Computer Systems