

# Darko Cejkov

<@jekov + CHEY-kov>

fullstack dev >\_

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Waterloo, ON (647) 640 4685

LinkedIn

Notion

Github

Portfolio

## education

Wilfrid Laurier University

2016 - 2022

Honors BSc Computer Science  
& Psychology

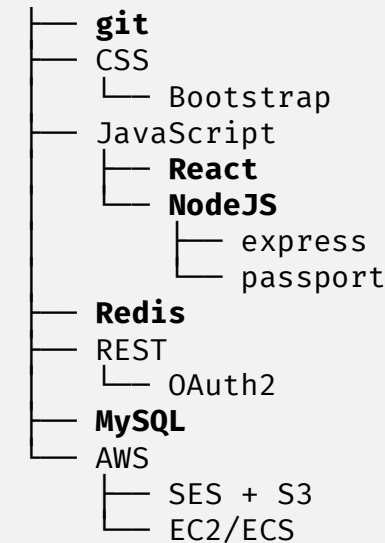
× Total GPA 8.9 / 12

### Relevant Courses

- \* Database Mgmt.
- \* Algorithms
- \* Data Structures
- \* Computer Networking
- \* Software Design & Methodology

## tech. skills

### proven



### currently learning

Docker

ThreeJS

C#

AWS

JIRA

Tailwind

RabbitMQ

TypeScript

**design**-focused front/back-end developer with practical experience in developing **scalable** solutions for internal and client usage. passionate about *continuous learning*, applying knowledge, collaborating with code, and being able to provide effective **communication**.

## objective

## experience

**Project Lead** (Git, CI/CD, AGILE, design, management)

**Van Valkenburg Communications (VVC)**  
Lead Front + Backend Dev  
**Full-time**  
Apr 2021 - Present

- \* Formalized **system design** process through visualization methods, such as Lucidchart, incorporating the use of UML and **architecture** diagrams
- o Fostered novel ideas such as self-serve

- ~ Performed weekly and daily AGILE **sprint** cycles to manage project expectations, progress, and roadblocks with team of testers and managers
- ▣ Suggested and lead effective company-wide project **retrospective** to positively and **constructively learn** from both positive and negative outcomes
- ~ Used PM tool to document bugs, tickets, milestones, and to delegate work
- o Monitored and analyzed large-scale **UAT** beta testing with clients and upwards of 1000 concurrent users, to find large flaws in scalability

## Frontend

 (React, UI/UX, HTML, CSS)

- ≡ Developed, reworked, and owned 20+ SPA state-based pages/views, 100+ components
- ▣ Created UI for end-users, moderation, and administrator functionalities
- × Used Classless/**Functional React** principles to create **hierarchies** and **modularity**
  - React-router v5 mastery to control Single-page Application (**SPA**) navigation, and display custom UI to block navigation on dirty form states
- \* Leveraged **suspenseful** loading techniques to display status of UI as well as lifecycle **hooks** to maximize data fetching process.
- ~ Designed dynamic, **responsive** UI through mobile-first **Bootstrap**-based principles
- ▣ Integrated **i18n** support, and enabled site-wide **a11y** accessibility overhaul
- › Feature Sets & Components
  - o **Real-time chat**/communication between users, using
    - ➔ **Voting and Polling** systems that are able to be heavily customized and branded, or adhere to strict Robert's Rules like amendments and seconders
  - ~ **Real-time analytics** and **reporting** via Nivo/D3 for customization to event displays, with various live or aggregate data reports in .csv, .pdf, or .json
  - o Diverse **video player** with branded UI via plyr.js, powered by HLS.js to handle all media/embed types, especially streamed content with multilingual caption
  - ▣ Overhauled **form handling** to use react-hook-form to have effortless validation rulesets, allowing the building of large scale WYSIWYG editors

## Backend

 (NodeJS + express, Redis, MySQL, AWS EC2/ECS, REST APIs, CI/CD)

- › Managing microservice API ecosystem through **express.js** middleware, integrated with **passport.js** authentication to enable local, Google and Meta sign-in strategies
- o Created 5 levels of **access**: anonymous, guest, user, moderator, and admin.
- ≡ Enabled real-time full-duplex communication by implementing **WebSockets**

# personal skills

- › **design** & plan focused, calculated
- › both **collaborative** and **individual**
- › patient, empathetic, and open-minded
- › **communicating** complex topics easily, utilizing multimedia methods aid understanding
- › 70/30-time management to **balance** work and motivation
- › **problem-solving** focused
- › **critical** and able to **adapt**
- › always trying to **optimize** workflow & **organization**

(viewable on [github](#) ⇄)

# personal projects

## Personal Portfolio

- \* artistic exploration in typography, web design, and 3D rendering.
- \* Inspired by *awwwards*.

## Web Scraping (python)

- Real-time stock tracking and updates of any search query for [canadacomputers.ca](#)

## JavaScript Web Utilities

- DOM scraper for public icon sets
- Chrome extension to inject media download button

## Discord Bots

- × persistent server storage, interaction commands, used external APIs, and analyzes statistical trends in that data

- DEL Innovated new **scalable user tracking** methods via WebSockets to track data not previously possible such as event timestamps, page activity, location, and watch time
- ☑ Designed **data model** objects to fluidly translate **SQL** responses to JSON objects
- × Leveraged **Redis** as an in-memory efficient database for data caching to optimize overall performance, and in-place solutions for scalability concerns
- ◆ ~ Established solutions to previous non-scalable user-tracking methods by developing SQL queries to facilitate **real-time updates** of records, with little performance cost
- Fully managed and maintained **MySQL** databases through HeidiSQL **RDBMS**, and querying records, views, with high proficiency
- ▣ Managing 3 separate **AWS** Lightsail databases, monitoring logs, tweaking parameters
- ▣ Enabled customizable client-branded emails via **nodemailer** + **AWS SES**
- ⌚ CI/CD of 3 different Linux-based deployment branches, and necessary stack-components through AWS technologies, such as **EC2**, **ECS**, and **Docker**
- ↳ Leveraged **AWS S3** buckets to store, organize, and archive all user-uploaded media

## Traction On Demand Marketing Automation Internship Apr. 2021 - Sep. 2021

- \* collaborated within a large 20+ team of diverse roles to learn marketing automation tenets through practical **consultation**, and **Salesforce** as a platform
- ≡ Trained as a **Ranger**, preparing and advising other interns for Salesforce **Administrator** certifications
- ↳ Networked and found **community** with other interns, organized various game and study sessions
- ▣ Learnt of important legality of marketing, **GDPR** and how we work around them
- ▣ Trained in **SOQL** language to perform object-model queries
- Trained in the **APEX** object-oriented language to perform Salesforce object manipulation
- Used HTML, JavaScript, **AMPScript**, and CSS to create responsive communication preference centers
- › Developed and verified **UAT** scripts for clients based on the theoretical outputs of AMPScript and overall marketing **Journey** flows
- × Trained and instructed **clients** in user-handoff and training phases on AMPScript specific to their marketing automation solution, and how to approach future

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