Darko Cejkov
`<tʃekov + CHEY-kov>`

fullstack dev >_

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LinkedIn   Portfolio

Github   Notion

objective

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**.

education

Wilfrid Laurier University
2016 - 2022

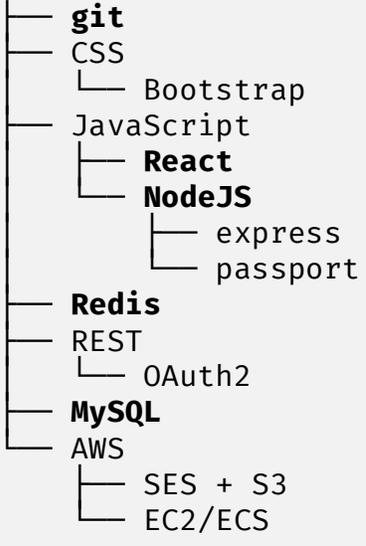**Honors BSc** Computer Science & Psychology

- × Total GPA *8.9 / 12*

Relevant Courses
- ✳ Database Mgmt.
- ✳ Algorithms
- ✳ Data Structures
- ✳ Computer Networking
- ✳ Software Design & Methodology

tech. skills

proven

```
├── git
├── CSS
│   └── Bootstrap
├── JavaScript
│   ├── React
│   └── NodeJS
│       ├── express
│       └── passport
├── Redis
├── REST
│   └── OAuth2
├── MySQL
└── AWS
    ├── SES + S3
    └── EC2/ECS
```

currently learning

Docker   ThreeJS   C#

AWS   GLSL   Tailwind

NextJS   TypeScript

experience

Van Valkenburg Communications (VVC)
Lead Front + Backend Dev
Full-time
Apr 2021 – Feb 2023

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

- ✳ Formalized **system design** process through visualization methods, such as Lucidchart, incorporating the use of UML and **architecture** diagrams
- ◉ 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
- 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
    - ◉ **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
    - ⊙ 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
- ⊙ Created 5 levels of **access**: anonymous, guest, user, moderator, and admin.
- ≡ Enabled real-time full-duplex communication by implementing **WebSockets**

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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.
⊙ Inspired by *awwwards*.
⊙ hosted with *AWS Amplify*

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

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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** reponses 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

darko.