Darko Cejkov
<tʃekov + CHEY-kov>

fullstack dev >_

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Waterloo, ON   (647) 640 4685

LinkedIn   Notion
Github   Portfolio

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.
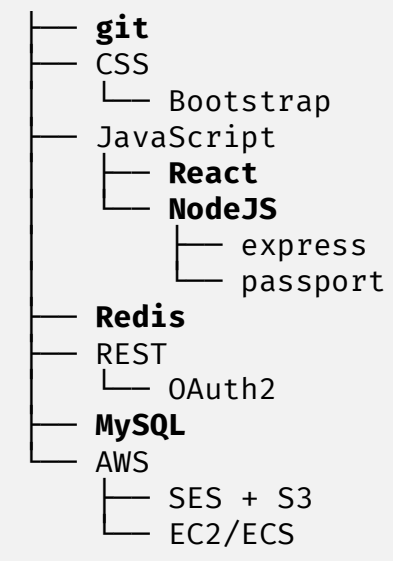
education

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   JIRA   Tailwind

RabbitMQ   TypeScript

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
◎ 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
NUL 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, 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

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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.