

# Chris Rudnicky

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## Web Application Developer

Self-driven, result-oriented professional proficient at conceptualizing and delivering dynamic user-friendly frontends. I am a highly collaborative problem solver with strong project leadership and proven track record of developing two CMS applications, an analytics tool, and an event sourcing application. Multi-faceted skillset includes creating responsive layouts from wireframes, creating and integrating APIs, integration testing, and engaging at a high level with multidisciplinary teams to develop creative solutions.

## Relevant Skills

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**Web Development Languages :** C# / JavaScript / TypeScript

**Frontend Frameworks :** Angular / React / Vue / ASP.NET MVC

**Testing Software :** Jest / Chai / Karma / Cypress / MSTest

**Database and ORM :** MySql / MongoDB

**Versioning and Other Tools :** Git / Webpack / Babel / NPM / NuGet

## Projects

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### Elenor | Developer

May 2019 – Present

**Description:** A portfolio designed for an artist to display her work and build her online presence.

**Environment:** React / Redux / Cypress / Axios

- Successfully refactored the application backend from a Firebase api to an Axios http interface.
- Prototyped and developed 11 React components to create the desired look and purpose of the Elenor website.
- Integrated Redux to manage the predictability of state and increase the maintainability of the application.

### Elenor Server | Developer

July 2019 – Present

**Description:** An Entity Framework Core backend / web api to both **Mission Control** and **Elenor**.

**Environment:** ASP.NET / Entity Framework Core / MySql / MSTest

- Developed C# REST API consumed by the **Elenor** application.
- Identified unnecessary design patterns initially used in the application architecture and refactored into a more efficient, and maintainable codebase.
- Conceptualized and implemented the MySQL database structure and Entity data models used in **Elenor**.

### Carry-Me | Developer

Oct 2019 – Present

**Description:** A SaaS project for the car transportation industry.

**Environment:** React / Node / Express / Mongo

- Software architect for express application backend schemas, REST api, and MongoDB structure.
- Configured CircleCI CI pipeline to run application unit tests when pull requests are made on Github.
- Authored tests on backend routes and models with Jest to add confidence to custom validation messages, database connections, and expected values returned from custom querying functions.

## Professional Experience

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### Daylight Studio I QA Engineer

May 2019 – June 2019

- Liaised with lead developers to identify the 10 core testable behaviors of the application and propose testing strategies.
- Authored over 200 end-to-end tests for a Laravel web form to ensure that no breaking changes were made to the core functionality of the application as features are added.
- Drafted two technical manuscripts detailing the testing methodology and bugs found in the application for the agency developers to use as reference material after my contract ended.

### Daylight Studio I Intern

April 2019 – May 2019

- Promoted new technologies and tools to the developers in bi-weekly meetings that increased the efficiency of the agency workflow.
- Liaised with the design team for creating dynamic frontend components that captured the look and functionality described in wireframes.
- Successfully developed the MongoDB database structure and Node server, creating the backend of an internal agency web application.

### Oregon Health and Science University I Research Assistant II

Feb 2018 – June 2018

- Maintained lines of communication with collaborating researches to efficiently coordinate sample collections and analysis streamlining the laboratory workflow.
- Participated in weekly lab meetings by updating senior personnel on experiment progress to ensure that the required timelines were met.
- Developed an internal tool to monitor mouse colony status that greatly improved the efficiency of planning breeding cycles and animal procurement.

### Oregon National Primate Research Center I Research Assistant II

Nov 2015 – Feb 2018

- Headed a team of 4 to expertly perform daily husbandry and experimental procedures for 48 non-human primates within a required timeframe of 4 hours.
- Presented weekly updates on animal drinking habits, upcoming procedures, and abnormalities in collected data in lab meetings to increase the awareness of experimental progress within the laboratory.
- Compiled and maintained extensive Excel databases detailing individual fluid consumption, blood ethanol concentration, and health information used for quantifying the neurological and behavioral implications of alcoholism.

## Education and Training

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### Epicodus

*Certificate in Web Development*

2018 - 2019  
Portland, Oregon

### George Mason University

*Bachelor of Science in Psychology*

2009 – 2013  
Fairfax, Virginia