

# JUSTIN M. KONECNY

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## EDUCATION

### Northeastern University

Khoury College of Computer Sciences

Candidate for B.S. Cybersecurity, Minor Mathematics

GPA: 3.94 / 4.00 | Dean's List: Fall 2017 – Spring 2020

August 2017 – Present

*Boston, MA*

December 2021

## PROFESSIONAL EXPERIENCE

### Facebook

Incoming Privacy Incident Engineering Intern

May 2021 – August 2021

*Menlo Park, CA (Remote)*

- Identify, advise, investigate, and mitigate privacy violations and exposures in various products

### Places For Less

Full-Stack Software Engineering Co-op

May 2020 – January 2021

*Boston, MA*

- Architected and developed full-stack solutions using PHP / Laravel and MariaDB for tracking anonymous website users, email-based subscriptions, and customizable landing pages for A / B tests
- Designed and implemented new features, enhancements, and fixes for a Vue.js, PHP / Laravel website
- Queried MariaDB database using custom SQL queries and Eloquent ORM for aggregating metrics from tens of thousands of records to increase effectiveness of various business and marketing efforts
- Integrated PHP / Laravel backend API with Twilio library, Gmail library, and Salesforce REST API to analyze and track client interactions to improve sales team efficiency and effectiveness

### Rocket Software

Software Engineering Co-op

July 2019 – December 2019

*Waltham, MA*

- Created a global shutdown helper in a Java server shared amongst multiple projects to register, track, log, and wait for hundreds of threads to finish working before safely exiting the application
- Implemented new features and fixed bugs in a React application to process user input and interact with an internal API to allow users to manage various company computer systems and environments
- Developed a TypeScript plugin for an open-source command line application to interface with an existing REST API to allow users to create, read, update, and delete system management resources
- Migrated fifty Java endpoints to Spring Web MVC and created hundreds of accompanying Python tests

### Vonage

Information Security Associate

July 2018 – August 2018

*Holmdel, NJ*

- Implemented a shared HashiCorp vault using PostgreSQL on an AWS EC2 instance to allow individual, authorized team members to securely store and retrieve sensitive information from any location
- Developed multiple Python scripts to process vulnerability scans of thousands of company servers and to facilitate performing static source code analysis on hundreds of GitHub project repositories

## SOFTWARE PROJECTS

### Code4Community | University Club

Spring 2020 – Present

- Architecting, developing, and guiding a team of student developers to create a web app using PostgreSQL, TypeScript / React, and Java to improve literacy rates of children in the Caribbean
- Developed and managed two in-progress, full-stack web applications as team Technical Lead
- Designed database modifications, AWS Elastic Beanstalk / EC2 deployment process, and developed new features for Java backend using JOOQ ORM and Vert.x framework and Vue.js frontend

### Calendars | Personal Project

Spring 2020 – Present

- Created a web application in TypeScript / React with Firebase authentication for shared event planning
- Developed a webserver in Go, deployed to AWS EC2, to process and validate all user interactions
- Designed and implemented a MySQL database on AWS RDS to persist user, events, and group data

## AVAILABILITY

September 2021 – December 2021

## LANGUAGES

### Proficient

Java  
Python  
PHP  
React  
Vue.js  
JavaScript  
TypeScript  
SQL  
HTML / CSS  
C / C++

### Familiar

Go  
Bash  
Racket

## CERTIFICATION

AWS Certified Cloud Practitioner  
(2018)

## SOFTWARE

MariaDB  
Git  
Docker  
Salesforce  
Jira / Asana  
LaTeX  
Firebase  
Vim

## ACTIVITIES

### Campus Involvement

Technical Lead and Software Developer in Code4Community, Founding Father and Scholarship Chair of Phi Gamma Delta at Northeastern

### Interests

Running, Snowboarding, Cooking, Traveling

*References Available Upon Request*