

CHRIS UNDERWOOD

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SUMMARY

Seeking my next opportunity as a Node.js/JavaScript full-stack or back-end software developer. I have 2 passions in software development: 1) empowering users to make better decisions by providing access to data and 2) building APIs and other tools that provide data access where it did not exist previously.

TECHNOLOGIES

- Proficient: Node.js, Express.js, React, Redux, JSX, vanilla JS, ES6, Github,
- Knowledgeable: PostgreSQL, MongoDB, JSON, Axios, CSS3, Bootstrap, Heroku, Postman, pg, Sequelize, Mongoose
- Familiar: AWS EC2, AWS ECS, Docker, pgAdmin

Projects

Dev Camper- July, 2020 – Sole Developer

- github.com/HeWhoShallNotBeMentioned/DevCamper_Backend
- devcamper-backend-api.herokuapp.com/
- A 32 route API for a fictional software development bootcamp rating site including authentication.
- Tech Stack: MongoDB, Mongoose, Atlas, Postman, beryptjs, colors, cookie-parser, cors, dotenv, express, express-fileupload, express-mongo-sanitize, express-rate-limit, helmet, hpp, jsonwebtoken, morgan, node-geocoder, nodemailer, slugify, xss-clean, nodemon, docgen, Node.js, npm

Dragon Stack - February, 2020 - Sole Developer

- github.com/HeWhoShallNotBeMentioned/DragonStack_backend
- A 13 route API endpoint for a dragon trading application.
- Tech Stack: Node.js, Express.js, base-64, body-parser, cookie-parser, cors, crypto-js, nodemon, pg, uuid, dotenv, npm

Faculty Guide Replacement Data – July, 2021 – Sole Developer

- github.com/Brandeis-Library/Website_Scraper_Faculty_Guide
- A project to gather faculty data from web scraping, APIs and synthesis from data exported from other sources. The compiled data was then imported into a new system via an API in XML format.
- Tech Stack: Node.js, crawler, cheerio, vanilla JavaScript, XML, Axios, xml-config, XLSX and RegEx

EXPERIENCE

Brandies University Library

Remote

Library Applications Developer

2019-Present

- Project combining web scraping, API calls and other data extractions to load data into a new Faculty Guide via REST APIs in XML format.
- Creating custom collection management app for physical inventory. Future modules include stack mapping and various bulk change methods.
- Created app using REST APIs to determine what physical items on reserve in Brandeis classes the library currently owns.
- Created app using REST APIs to update data of items being retained vs those being discarded from the collection.
- Using Web Hooks and REST APIs to create a MVP/demo of 2 external vendors for managing electronic resources.

Epicodus

Portland, OR

Software Developer Intern

2016

- Updated payments functionality of Epicenter software product; designed product features including Stripe API and Stripe Ruby Mock with API stubbing for testing.
- Programmed online payment and refund feature for staff to easily adjust student financial records.
- Supported testing lifecycles to ensure the proper operation, security and accuracy of software modules and applications.
- Developed sports website for class project featuring blogs and team statistics; programmed and tested web site functionality.

Tillamook County Library

Tillamook, OR

Programmer/Analyst

2012-2015

- Led technical migration of nine libraries from Sirsi Symphony Integrated Library System to Innovative Interfaces Millennium product; completed migration five months ahead of schedule ensuring implementation of all software systems and administration platforms. Also led upgrade from Millennium to Sierra.
- Gathered user requirements to determine operational needs and translated requirements into stable software applications.
- Created customized notices based on customer/library preferences; generated monthly/annual automated statistics reports.

Coastal Resource Sharing Network (CRSN)

Tillamook, OR

Systems Administrator

2010 – 2012

- Researched and recommended new software/hardware to align with library restructuring plans.
- Managed implementation of Sirsi Dynix Symphony Integrated Library System that served multiple libraries in a WAN environment.
- Directed security of network servers, routers and firewalls utilizing information security best practices.
- Administered and updated several Drupal library websites and content management systems;
- Generated custom 60-page Excel report detailing lending patterns of materials between libraries.

Illinois State University

Normal, IL

Head of Library Systems

2008 – 2009

- Supervised 12 employees tasked with servicing 400+ computers including servers, desktops and laptops.
- Implemented an inventory of library technology and developed a planned replacement schedule for library servers and desktops.
- Collaborated with operational and technical stakeholders to complete an internal and external website redesign project.

County College of Morris

Randolph, NJ

Systems Librarian

2004 – 2008

- Implemented EZ-Proxy, virtual reference, federated searching and link resolver applications.
- Supervised technical assistants responsible for managing 160 computers including 15 servers, 45 staff desktops and 100 public desktops.
- Migrated public computers and production environment servers to new operating systems; trained users and library staff on proper use and administration of network assets.

EDUCATION**FullStack Academy**, Certificate, Full-Stack Development with React.js and JavaScript**Epicodus**, Certificate, Full-stack Development with Ruby on Rails**Syracuse University**, Master of Science, Information Management (9 of 12 courses completed)**Saint Paul College**, Associate's Degree, SQL Server 2000 Administration and Development**Rutgers University**, Master of Library Science**Wabash College**, Bachelor of Arts, History