

CHRIS UNDERWOOD

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SUMMARY

Seeking opportunities to specialize in software development, project management, and application support. Library technologist with 11+ years' experience implementing, designing, and maintaining IT infrastructures and Full Stack Web-based application architectures. Demonstrated ability implementing software development initiatives including leading and supporting major application design and support projects.

TECHNOLOGIES

- Proficient: React, Redux, JSX, Express.js, vanilla JS, ES6, Github, Sequelize, Bootstrap
- Knowledgeable: PostgreSQL, JSON, Axios, Node.js, HTML5, CSS3
- Familiar: Webpack, Babel, Heroku, Travis CI, Mocha, Chai, GraphQL

Projects

Musketeer Shop - January, 2019 - Developer

- github.com/the-musketeers-GS
- musketeershop-graceshopper.herokuapp.com
- E-commerce site to sell 3 Musketeers related products.
- Developed application administrator functions and set up routing security based on user role.
- Tech Stack: React, Redux, Express, Sequelize, PostgreSQL, Node.js, npm, Stripe

Stackathon - January, 2019 - Sole Developer

- github.com/HeWhoShallNotBeMentioned/GraphQL_First_Exploration
- [What is GraphQL anyway?](https://www.youtube.com/watch?v=...)
- Configured application and GraphQL schemas, authentication, and subscriptions.
- Tech Stack: GraphQL, Prisma, Node.js, npm, graphql-yoga, bcryptjs, jsonwebtoken

Capstone Project - RatRace- January/February, 2019 – Developer

- github.com/ratpak/RatQuest
- <https://rat-quest.herokuapp.com>
- Game to teach basic coding concepts via JavaScript.
- Tech Stack: React, Redux, Express, Sequelize, PostgreSQL, Node.js, npm

EXPERIENCE

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 9 libraries from Sirsi Symphony Integrated Library System to Innovative Interfaces Millennium product; completed migration 5 months ahead of schedule ensuring implementation of all software systems and administration platforms. Also led migration 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 library websites and content management systems; oversaw multiple Drupal installations.
- 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