

Chris Thornburg

FULL STACK SOFTWARE ENGINEER

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SKILLS

LANGUAGES: JS & TS, Python, HTML, CSS, BigFix Action & Relevance

DATABASES: PostgreSQL, Sqlite3, MongoDB

FRAMEWORKS/Tools: React, Redux, NextJs, React Testing Library, a11y, i18n translations, Tailwind CSS, MaterialUI, Node.js, SonarQube, Jenkins, Playwright, Express, Prisma, Microservices, GIT including hub & bucket, Jira, Confluence, QAcomplete, AWS, Sequelize, Docker, Flask, Bootstrap, Mocha

EXPERIENCE

Organization App >> *Freelance Engineer* > Arlington, VA

Aug 2024 – Current

- Developed a multi-page web application with Next.js for a community-based organization, styled with Tailwind CSS, aimed at boosting community engagement and offering educational resources
- Key features include an admin run blog built with Prisma and Postgres, enabling organizers to post and update news and resource recommendations, as well as an interactive flowchart using React and a sign-up form

Ellucian >> *Software Engineer Intern* > Reston, VA

May 2024 – Aug 2024

- Updated the low-code pipeline, using React, to developers to upload files to Ellucian Data Connect
 - Effort included module testing with RTL and a11y (accessibility)
 - Applied company style guides to ensure code and UI consistency using Tailwind CSS and MaterialUI
 - Used Jenkins auto deployments to maintain quality code
 - Used SonarQube to meet code readability threshold
 - Set up manual and automation testing through QAcomplete and Playwright
- Developed software using Agile methodology with Agile ceremonies and Atlassian JIRA

Federal Working Group >> *Desktop Engineer* > Washington, DC

February 2019 – May 2024

- Develop, test, and deploy Bigfix packages using proprietary script and Relevance language to remediate application vulnerabilities and perform standard computer health tasks.

Digital iBiz inc >> Chantilly, VA

Lead Tier 2 Desktop Technician

Tier 2 Desktop Technician

April 2018 – January 2019

February 2018 – April 2018

PROJECT EXPERIENCE

ButterFingers >> React, Redux, Recharts, Flask, SQLAlchemy, PostgreSQL, AWS 3, Render

[GitHub](#) > [Live](#)

- Utilized Recharts and React hooks to implement responsive typing game and up to date charts allowing for users to receive feedback and stats on their typing skill progression.
- Integrated advanced filtering and conditional rendering to construct a friend system allowing users to find friends and interact with other users.
- Integrated front-loading store for users, texts, and score cards which enabled a fast and seamless gameplay experience.
- Connected the Flask back end to AWS S3 for media storage and organization while maintaining content security with AWS IAM.

Edgy >> React, Redux, Flask, SQLAlchemy, PostgreSQL, Render

[GitHub](#) > [Live](#)

- Harnessed React and Redux to build page review components allowing users to edit or delete reviews on page without navigation or module.
- Managed favoriting, leaving reviews and shopping cart CRUD through custom transactional database operations using Flask and PostgreSQL allowing users to have long term memory of favorites and shopping cart.

EDUCATION

APP ACADEMY Full Stack Web Development

Mar - Sep 2023

Udemy: [The Complete 2021 Web Development Bootcamp](#)

2021

University of Mary Washington: *Bachelor of Science in Biology*

2017