CHRIS THORNBURG

Harpers Ferry, WV
(703) 899-8734 | cjthorndev@gmail.com | [Linkedin](#) | [Github](#) | [Portfolio](#)

Full Stack Software Engineer

Strategic and results-oriented Software Engineer with 6+ years of professional experience within the Software Development and IT industry. Experienced in building responsive web applications and optimizing user experiences. Skilled in developing innovative designs that focus on efficiency, security, and implementing dynamic user-centric solutions. Passionate about exceeding customer expectations through successful and cutting-edge products.

Core Competencies

IT Management	Web Applications	API Integration
Program Management	Technical Writing	Troubleshooting
System & Process Design	Continuous Improvement	Product Lifecycle
Business Strategy	Cross-Team Collaboration	Version Control

Professional Experience

Organization App, *Arlington, VA*
Freelance Engineer   Aug 2024 – Present
- Developed a multi-page web application using Next.js and Tailwind CSS for a community organization, enhancing engagement and providing educational resources for expect 500+ visitors.
- Implemented 5 key features such as an admin-run blog with Prisma and Postgres, an interactive flowchart, and a sign-up form, streamlining content updates and user onboarding.

Ellucian, *Reston, VA*
Software Engineer Intern   May 2024 – Aug 2024
- Managed and revamped the low-code pipeline using React, improving file upload efficiency to Ellucian Data Connect by 20%, streamlining developer workflows and increasing productivity.
- Conducted module testing with RTL and accessibility (a11y), achieving compliance with WCAG standards, ensuring an inclusive experience for all users.
- Applied company style guides using Tailwind CSS and MaterialUI, ensuring 100% consistency in UI and code quality, enhancing user satisfaction and brand alignment.
- Established manual and automated testing through QAcomplete and Playwright, reducing QA testing time by 5 hours per week, increasing overall development speed and code reliability.

Federal Working Group, *Washington, DC*
Desktop Engineer   Feb 2019 – Mar 2023
- Developed, tested, and deployed Bigfix packages using proprietary script and Relevance language to remediate application vulnerabilities and perform automated computer health tasks companywide.
- Processed 100+ weekly non-standard software Service Now requests via BigFix, SCCM, Psexec, Active Directory, and SCCM Reporting tools, improving service delivery efficiency and accuracy.
- Generated and compiled weekly and monthly vulnerability reports for enterprise workstations using Qualys, enhancing visibility of security issues and ensuring timely remediation efforts.
- Provided Tier 3 technical support for client workstations, analyzing logs, researching issues, and resolving complex technical problems to minimize downtime and improve productivity.

Pro Act Site, *Remote* | [Link](#)   Feb 2021 – June 2021
- Designed and launched a multi-page WordPress site using Elementor in under a week, quickly acquiring and applying new WordPress skills.
- Optimized website performance using Lighthouse and WordPress SEO tools, enhancing site stability and increasing visibility on search engines.
- Integrated Google Maps API to display nationwide protest events, improving access to information for prospective members and organizers.

CHRIS THORNBURG

Professional Experience

Green New Schools, *Remote* | [Link](#)   June 2021 – June 2021
- Utilized Trello for real-time bug tracking, promptly implementing fixes to improve site functionality by 10% and enhance the user experience.
- Deployed a Hugo-based site, adhering to Figma designs from the UX team, ensuring accurate and accessible information about the campaign and legislation.

Digital iBiz Inc., *Chantilly, VA*
  Lead Tier 2 Desktop Technician   Apr 2018 – Jan 2019
  Tier 2 Desktop Technician   Feb 2018 – Apr 2018
- Directed the deployment of 5,000+ Windows 10 workstations across the enterprise, ensuring timely delivery and installation according to project milestones.
- Coordinated logistics through ServiceNow and spreadsheets, successfully managing the shipment of 160 workstations per week to meet operational deadlines.
- Developed training materials in Word and PowerPoint, and trained 8 new employees on imaging, quality assurance, Active Directory, and SCCM, improving team efficiency and knowledge retention.

Project Experience

Butterfingers, *Remote* | [Github](#) | [Link](#)   Aug 2023 – Aug 2023
- Implemented responsive typing game using Recharts and React hooks, providing real-time feedback and detailed charts for users to track typing skill progression.
- Developed a friend system with advanced filtering and conditional rendering, allowing users to find, connect, and interact with other players seamlessly.
- Connected Flask backend to AWS S3 for secure media storage and organization, utilizing AWS IAM to maintain content security and streamline data management.

Edgy, *Remote* | [Github](#) | [Link](#)   July 2023 – Jan 2023
- Built page review components using React and Redux, enabling users to edit or delete reviews directly on the page without additional navigation.
- Developed favoriting, review submission, and shopping cart functionality using Flask and PostgreSQL, ensuring persistent user data through custom transactional operations.
- Optimized user experience by implementing seamless CRUD operations for shopping cart and favorites, improving long-term memory and data retention for users.

Apex Friends, *Remote* | [Github](#)   June 2020 – Aug 2020
- Fetched player and user data dynamically using Axios from third-party APIs, providing real-time information and an interactive user experience.
- Implemented custom search functionality with error handling, allowing users to efficiently search and view their own or other players' stats seamlessly.

Education

App Academy: Full Stack Web Development   Mar 2023 – Sept 2023

Udemy: [The Complete 2021 Web Development Bootcamp](#)   Jan 2020 – June 2020

University of Mary Washington, *Fredericksburg, VA*   Aug 2014 – Dec 2017
Bachelor of Science in Biology

Skills

- **Languages:** JS, Python, HTML, CSS, BigFix Action and Relevance.

- **Databases:** PostgreSQL, Sqlite3, and MongoDB.

- **Frameworks & Tools:** React, Redux, NextJs, React Testing Library, a11y, i18n translations, Tailwind CSS, MaterialUI, Node.js, SonarQube, Jenkins, Playwright, Express, Prisma, Microservices, GIT, Jira, Confluence, QAcomplete, AWS, Sequelize, Docker, Flask, Bootstrap, and Mocha.

- **Business Experience**: Project Management, Business Development, Client Relations, Agile/Lean, Risk Management, Mentoring, Budgeting & Scheduling, and Forecasting.