

# CHRIS THORNBURG

Harpers Ferry, WV  
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## 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.

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### Core Competencies

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IT Management  
Engineering Solutions  
System & Process Design  
Business Strategy

Web Applications  
Technical Writing  
Continuous Improvement  
Cross-Team Collaboration

API Integration  
Troubleshooting  
Product Lifecycle  
Version Control

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### Professional Experience

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**Mosaiq, United States, Remote**

**Software Engineer I**

Nov 2023 – Current

- Develop, test, and maintain code for various web applications using full stack architecture utilizing on premise servers.
- Participate in code reviews to maintain code quality and readability.
- Define requirements in collaboration with a team to design and implement solutions efficiently.
- Document development processes, changes and updates in the codebase.

**Organization App, Arlington, VA**

**Freelance Engineer**

Aug 2024 – Nov 2024

- Developed a multi-page web application using Next.js and Tailwind CSS for a community organization, enhancing engagement and providing educational resources for expected 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.
- Built architecture around best practices such as utilizing DAL and reusable components to enable quick updates while maintaining a quality user experience.

**Ellucian, Reston, VA**

**Software Engineer Intern**

May 2024 – Aug 2024

- Heavily involved in implementation of File upload capabilities on a low-code component built on React and JS, and participated in the design sessions, improving file upload efficiency by 20%.
- 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.

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## Professional Experience

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**Pro Act Site**, *United States, Remote* | [Link](#)

### WordPress Engineer

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.

**Green New Schools**, *United States, Remote* | [Link](#)

June 2021 – July 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.

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## Project Experience

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**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.

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## Education

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**App Academy**: Full Stack Web Development

Mar 2023 – Sept 2023

**University of Mary Washington**, *Fredericksburg, VA*  
Bachelor of Science in Biology

Aug 2014 – Dec 2017

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## Skills

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- **Languages:** JavaScript, TypeScript, Python, HTML, CSS, BigFix Action and Relevance, Spanish (Beginner-Intermediate)
- **Databases:** PostgreSQL, SQLite3, and MongoDB.
- **Frameworks & Tools:** React, Redux, NextJs, Jest, React Testing Library, a11y, i18n translations, Tailwind CSS, MaterialUI, Node.js, SonarQube, Jenkins, Playwright, Express, Prisma, GIT, GitHub, GitBucket, 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.