

Katie Dubois

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PROFESSIONAL SUMMARY

Junior Software Engineer with hands-on experience building full-stack applications across personal and professional projects. Skilled in troubleshooting complex technical issues, researching solutions, and quickly learning new technologies. Experienced across the full development lifecycle, including database design, API development, front-end implementation, and testing. Passionate about building responsive, accessible software and collaborating with teams to deliver reliable digital solutions.

SKILLS

Languages	Python, JavaScript, TypeScript, PHP, SQL, HTML, CSS, SASS/SCSS
Frameworks	React, Next.js, Vue.js, Angular, Node.js, Express, Flask, FastAPI, Bootstrap, Tailwind CSS, Material UI, jQuery
Databases	PostgreSQL, MySQL, MongoDB, Microsoft SQL Server, Azure SQL, Oracle, SQLite
Cloud & DevOps	Microsoft Azure, AWS, Google Cloud, Docker, CI/CD, GitHub Actions, Jenkins
Tools	Git, GitHub, Postman, Jira, Visual Studio Code, REST APIs, GraphQL, WordPress, Drupal, Sitefinity, Figma, Adobe Creative Cloud, Google Analytics, Welcome, Zendesk, SEO, SEM
Accessibility	WCAG 2.1, AODA, WAI-ARIA, NVDA, VoiceOver, Selenium, Lighthouse, SiteImprove

WORK EXPERIENCE

McMaster University	Hamilton, ON
Computer Services Unit – Web Systems Analyst Intern	Mar 2022 – Sept 2022
- Migrated over 15 department websites from Sitefinity to WordPress, improving deployment reliability and reducing errors by 30% through optimized migration workflows and validation processes - Remediated website code to meet WCAG 2.0 and AODA accessibility standards, restructuring HTML, implementing ARIA roles, and improving screen reader compatibility - Conducted performance audits and manual testing using SiteImprove, increasing usability scores and improving page load speeds by 25% - Maintained and audited web content across multiple departments, ensuring consistent quality standards for digital assets and documentation - Presented weekly project updates during team meetings, aligning development progress with accessibility requirements and project milestones	

Mohawk College	Hamilton, ON
Marketing and Creative Services – Front-End Developer Intern	Sept 2021 – Dec 2021
- Developed and tested accessible web features using HTML, CSS, and JavaScript, ensuring compliance with WCAG 2.0 and AODA standards - Updated and maintained website content across Drupal and WordPress CMS platforms, ensuring brand consistency and timely delivery - Resolved 20+ weekly technical and content support requests through Zendesk and Welcome ticketing systems while maintaining a 99% completion rate - Conducted SiteImprove audits to identify accessibility issues, broken links, and performance errors, improving overall site health - Collaborated extensively with internal marketing team and external clients to deliver user-focused web content aligned with branding guidelines	

PROJECTS

Orizon Node.js, Express, SQLite github.com/kndubois/orizon	Feb 2025 – Present
- Developed a full-stack trip management web application with secure user authentication, itinerary planning, and expense tracking - Designed and implemented RESTful API routes using Express to handle CRUD operations for trips, bookings, and activities - Implemented session management and password encryption using bcrypt for secure authentication	
Argent Python, Azure SQL, REST API github.com/kndubois/argent	Sept 2024 – Nov 2024
- Built command-line budget management tool integrating third-party financial APIs for real-time market data and transaction tracking - Designed and optimized Azure SQL database schema, reducing query latency and improving data retrieval performance - Applied object-oriented programming principles to create modular components for budgeting, reporting, and automated notifications	

EDUCATION

McMaster University	Hamilton, ON
Bachelor of Technology in Software Engineering	Jun 2025