

# Melissa Spiegel

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WordPress Developer | Certified Professional in Accessibility Core Competencies

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Skilled WordPress developer with over nine years of experience in full-stack web development and cross-functional team collaboration. Proficient in TypeScript, JavaScript, and Model-View Presenter Design Patterns(MVP). Dedicated to improving developer productivity through innovative solutions, robust testing frameworks, and detailed technical documentation.

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## Skills

- **Technologies:** OOP PHP, HTML, CSS3, JavaScript, TypeScript, React, Bootstrap, jQuery, Ajax, MySQL, MariaDB, RESTful APIs, Nginx, JSON
- **Build Tools:** Webpack, Grunt
- **Package Management:** npm
- **Versioning:** Git, GitHub
- **Collaboration:** Mob coding, peer code reviews
- **Technical Documentation:** Skilled in creating clear documentation
- **Containerization:** Docker
- **Code Quality:** High standards of code quality and readability
- **Methodologies:** Agile, scrum
- **Linting:** ESLint, Stylelint
- **Accessibility:** WCAG Certified, VoiceOver (VO), Accessibility Conformance Report (ACR)
- **WordPress** Plugin & theme development, Block editor, Gutenberg, ACF, Woocommerce, Gravity Forms, Yoast SEO, REST APIs
- **Design Systems:** Collaborated with the Indeed WebX Team to develop Indeed's Design System, focusing on architecture and modern CSS design principles
- **CI/CD:** GitLab, Jenkins
- **Testing:** PHPUnit, Mocha, Jest, Visual Regression testing with Playwright
- **Preprocessing:** SASS, LESS

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## Experience

### **Indeed.com** - Remote

*Software Engineer*

November 2022 - May 2024

- Collaborated with cross-functional teams, including product managers and stakeholders, to build Indeed's Design System focusing on the architecture of reusable components and modern CSS design principles, ensuring scalability and maintainability. This involved defining component standards, documentation, and integration into the existing infrastructure.
- Influenced team to integrate WCAG testing into our GitLab CI/CD pipelines, enhancing our commitment to accessibility and ensuring compliance across all web components. Provided guidance and best practices, fostering a culture of inclusivity and accessibility within the development team.
- Implemented robust unit tests (Mocha, Jest) and end-to-end visual regression tests (Playwright), enhancing code reliability and deployment efficiency through CI/CD integration.
- Enhanced CI/CD pipelines, reducing build times by 30% and improving test coverage by 25%.
- Progressed from an associate web developer to a skilled software engineer, actively pursuing certifications and refining skills.

### **Perficient Digital** - Remote

*WordPress Developer Contractor for Indeed.com*

November 2019 - March 2020

- Contributed to internal developer tools and documentation, enhancing team productivity and code quality.
- Demonstrated performance and expertise, leading to a coveted permanent offer to join the Indeed team.

### **Consulting Experience** - Cambridge, MA

February 2014-2019

- The following positions include contract roles through Avid. I have included the most notable, not necessarily the most recent.

### **Language International** - Cambridge, MA

*Web Developer*

- Succeed in a fast-paced start-up founded by two Harvard Business School graduates.
- Utilized Symfony PHP framework to build reusable components for the web application, working with MySQL for database management.

### **Massachusetts Institute of Technology (MIT)** - Cambridge, Massachusetts

*Web Developer*

- Developed and maintained internal developer documentation, improving accessibility and usability for non-technical staff.
  - Engineered content editing solutions specifically designed for non-technical library staff.
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## **Education**

### **Bachelors of Science (BS)**

*University of Massachusetts - Lowell, Massachusetts*

## Certification

### Certified Professional in Accessibility Core Competencies (CPACC)

*IAAP - International Association of Accessibility Professionals*

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## Additional Activities

### **Mentorship Program: Mentee**

Worked with various mentors on software architecture, accessibility, and project management.

### **Medium Author**

A medium author who provides insightful articles on software design patterns, web accessibility, and modern web technologies.

[medium.com/@melissarspiegel](https://medium.com/@melissarspiegel)