

Megan Bartlett

Software Engineer

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in [Megan Bartlett](#)

SKILLS

- **Programming Languages:** Java, C, MySQL, JavaScript, PHP, HTML, CSS, TypeScript, Python
- **Frameworks & Libraries:** React, NPM, Bootstrap, .NET, Spring Boot, Ruby on Rails
- **Web Development:** Front-End, Back-End, WordPress Development (ACF), Web Content Accessibility Guidelines
- **Cloud & Serverless:** AWS Lambda, DynamoDB, API Gateway, Microservices
- **Technical Foundations:** Data Structures, Algorithms, Mathematics
- **Tools & Collaboration:** GitHub, GitLab, Jira, Teams, Slack, Bitbucket, Docker
- **Methodologies:** Scrum, Agile

PROJECTS

Version Tracker Microservice (Java, AWS Lambda, API Gateway)

Built a serverless microservice to track software dependencies across products. Developed the backend in Java, using AWS Lambda and API Gateway for real-time updates. Integrated with Confluence to automate dependency version tracking, reducing manual effort.

Memory Hole (C)

Implements a memory allocator based on the buddy system designed to replace 'malloc'. It is able to do this through the use of a freeList, bitMap and other utils (found in until.c) that help to calculate the buddies address.

Blackbaud.com (Wordpress, JS, PHP)

Collaborated with a team to rebuild and maintain Blackbaud's corporate website, enhancing content management with a more dynamic, flexible platform. Utilized Wordpress to implement a design system and develop block-based (ACF) components, enabling greater adaptability for content creators.

LEADERSHIP

- Senior Class Vice President
- Vice President of FBLA
- Treasurer of FFA
- Rotary Club's Ron Anderson Award of Leadership
- National Honors Society
- Treasurer of BSU Woman's Club Soccer

WORK EXPERIENCE

Web & Software Developer

Ellexicon, Remote

NOVEMBER 2023 - CURRENT

- Develop custom WordPress themes and full-stack applications following Agile and CI/CD practices, ensuring they are optimized for performance, scalability, and seamless integration with existing content management workflows.
- Build and maintain custom functionality using PHP and JavaScript, creating tailored solutions that enhance user experience and site performance.
- Develop responsive and dynamic front-end interfaces using React and modern JavaScript frameworks, ensuring a seamless user experience across all devices.
- Daily use of Slack, Asana, and Google meet for standups and sprint management.

Web Accessibility Specialist

Boise State University, Boise, ID

AUGUST 2022 - MAY 2023

- Evaluating all Boise State University web pages for accessibility compliance using Monsido, fixing any errors that may arise using WordPress, and educating Idaho site creators on how to accurately configure a web page to reach AA standards.
- Idaho Web Content Accessibility Badge

Software Engineering Intern

Curinos, Remote

MAY 2022 - AUGUST 2022

- Built the backend of a microservice for tracking different dependencies and their versions within all of Curinos' nine products.
- Ideate and build the microservice by writing a function in Java and utilizing AWS Lambda and API Gateway to create a tracker for compiling the different foundation dependencies and their elements (product, environment, component name, version, and timestamp) all into one table on a Confluence page.
- The service processes payloads from various products, retrieves and updates the dependency table by comparing new data with existing entries, and then updates the Confluence page.
- Regularly used Teams, Jira, and GitLab for daily standups and project management.

EDUCATION

Bachelor of Science in Computer Science

Boise State University, Boise, ID

AUGUST 2019 - MAY 2023

- Relevant Coursework: Programming Languages, Operating Systems, Web/App Development, HCI, Databases, Agile Development, and Microprocessors.
- The Pledge of the Computing Professional
- SheTech volunteer