

# Dagmawi Asres

## Full Stack Developer

### Personal Information

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### Professional Summary

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- 7+ years of professional experience in full stack development, specializing in designing and implementing robust web applications. Proficient in a variety of programming languages, including JavaScript, PHP, Python, C++, and C.
- Skilled in the latest web development technologies, with a focus on front-end frameworks such as React.js and back-end technologies including Node.js, Express.js and Typescript. Proven ability to create visually appealing, responsive, and user-friendly interfaces.
- Currently contributing to web development projects at North Carolina State University.
- Adept at database design and management using MySQL and MongoDB. Demonstrated success in optimizing data storage and retrieval for enhanced application stability and performance.
- Experienced in working within Agile teams, ensuring the timely delivery of scalable solutions aligned with project requirements and business goals. Active participation in sprint planning, daily stand-ups, and retrospective meetings.
- Proficient in version control using Git, facilitating collaboration with remote teams and maintaining codebase integrity. Strong communication skills, providing regular updates on progress, challenges, and solutions.
- Successfully managed multiple freelance projects, collaborating with clients to understand their vision and deliver tailored web solutions. Demonstrated ability to work independently, meet deadlines, and exceed client expectations.
- Experienced in both on-site and remote work environments, with a diverse background in web development roles spanning Ethiopia and the United States.
- Holds a Bachelor's degree in Computer Science from Unity University

### Technical Skills Set

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- **Core Programming Languages:** JavaScript, PHP, Python, C++, C
- **Web Development:** React.Js, Node.js, Express.js, Bootstrap, Redux.js
- **Scripting Language:** JavaScript, Typescript, HTML5, CSS3, jQuery, Ajax
- **Databases:** MySQL, MongoDB
- **Framework:** Express.js, React.Js, Bootstrap
- **Tools:** Git, Docker, VS Code, Apache
- **Additional Technologies:** Agile Methodologies, RESTful Services

## Experience

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08-2022 – Present

### Full Stack Developer

North Carolina State University

#### Responsibilities:

- Implement responsive and visually appealing user interfaces using HTML5, CSS3, and JavaScript libraries/frameworks such as React.js and Redux.js.
- Design and integrate RESTful Web Services using Node.js and Express.js, facilitating seamless communication between the front-end and back-end components.
- Leveraged Typescript to design and implement robust RESTful Web Services using Node.js and Express.js, ensuring seamless communication between front-end and back-end components for critical university web applications.
- Collaborated within Agile teams, analyzing project requirements and ensuring the timely delivery of scalable solutions aligned with the university's goals.
- Manage data storage efficiently with MongoDB, enhancing stability and performance for vital web applications.
- Leverage Git for version control, allowing for collaboration with remote team members and maintaining codebase integrity.
- Play a key role in debugging and troubleshooting, ensuring the seamless operation of web applications critical to the university's mission.
- Engage in effective communication with team members, providing updates on progress, challenges, and Solutions.
- Collaborate with the university's academic and administrative departments to understand and address specific technical requirements.

**Environment:** Node.js · Express.js · Typescript · MongoDB · Redux.js · React.js · Git · Agile Methodologies · Bootstrap · CSS3 · RESTful Web Services · HTML5 · JavaScript

09-2022 – 02-2023 **Freelance Web Developer**

#### Responsibilities:

- Collaborated with clients to understand their project requirements and vision, providing expert advice on web development solutions.
- Developed and implemented responsive and visually appealing websites using HTML5, CSS3, and Bootstrap for optimal user experience across various devices.
- Utilized PHP and MySQL to create dynamic and database-driven web applications, ensuring seamless data management and retrieval.
- Employed JavaScript to enhance interactivity and create dynamic user interfaces that met client specifications.
- Utilized Adobe Photoshop for graphic design and image editing to create visually engaging elements for websites.
- Worked independently to manage and prioritize multiple freelance projects, meeting deadlines and exceeding client expectations.
- Implemented and customize content management systems to empower clients with the ability to update and maintain their websites easily.
- Collaborated with clients in the design phase, incorporating feedback and revisions to ensure the final product aligns with their brand and goals.

- Conducted thorough testing and debugging to identify and resolve issues, ensuring the functionality and performance of delivered projects.
- Provided ongoing maintenance and support for websites, addressing updates, troubleshooting, and implementing improvements as needed.

**Environment:** Bootstrap · PHP · CSS3 · MySQL · HTML5 · JavaScript · Adobe Photoshop

**01-2019 – 07 -2022 Full Stack Developer**  
Zergaw ISP

**Responsibilities:**

- Developed and maintain robust, scalable, and high-performance web applications using a combination of front-end and back-end technologies.
- Collaborated with cross-functional teams to gather and understand project requirements, ensuring alignment with business objectives.
- Implemented responsive and user-friendly interfaces using HTML5, CSS3, and JavaScript libraries/frameworks such as React.js and Redux.js.
- Designed and integrated RESTful Web Services to facilitate seamless communication between the front-end and back-end components of the application.
- Played a pivotal role in integrating Typescript for server-side development, enhancing the efficiency and reliability of web applications built with Node.js and Express.js, ultimately contributing to the company's success in delivering scalable solutions.
- Utilized Node.js and Express.js to build and optimize server-side logic, ensuring the efficiency and reliability of the application.
- Worked in an Agile development environment, participating in sprint planning, daily stand-ups, and retrospective meetings to drive continuous improvement.
- Employed MongoDB, MySQL, and PHP to manage and manipulate databases, ensuring data integrity and efficient data retrieval.
- Implemented version control using Git to track changes, collaborate with team members, and maintain codebase integrity.
- Employed Bootstrap for responsive and consistent UI design, ensuring a positive user experience across various devices and screen sizes.
- Troubleshoot and debug issues, conduct code reviews, and implement optimizations to enhance overall system performance.

**Environment:** Node.js · Express.js · Typescript MongoDB · Redux.js · React.js · Git · Agile Methodologies · Bootstrap · PHP · CSS3 · RESTful Web Services · MySQL · WordPress · HTML5 · JavaScript

**01-2018 – 12-2018 Web Developer**  
Ethio telecom

**Responsibilities:**

- Collaborated with the development team to design, implement, and maintain web applications using Node.js, Express.js, MongoDB, MySQL, and PHP.
- Wrote clean and efficient code to create responsive and user-friendly interfaces using HTML5, CSS3, and Bootstrap.
- Utilized Git for version control, ensuring codebase integrity and facilitating collaborative development.

- Worked on the integration of RESTful Web Services to enhance the functionality and performance of web applications.
- Debug and troubleshoot issues, ensuring timely resolution and optimal application performance.
- Participated in code reviews to maintain code quality and adherence to coding standards.
- Assisted in database design and optimization for both MongoDB and MySQL, ensuring data integrity and efficiency.
- Collaborated with UI/UX designers to implement visually appealing and user-friendly interfaces.
- Attended team meetings, providing updates on project progress and actively participating in discussions.
- Demonstrated a commitment to learning and expanding technical skills throughout the internship duration.

**Environment:** Node.js · Express.js · MongoDB · Git · Bootstrap · PHP · CSS3 · RESTful Web Services · MySQL · HTML5 · JavaScript

**10-2016 – 12-2017      Junior Developer**  
Iceaddis

**Responsibilities:**

- Contributed to the development and maintenance of web applications in a collaborative team environment.
- Utilized front-end technologies such as HTML, CSS, and JavaScript to create responsive user interfaces.
- Assisted in back-end development, implementing scalable server-side logic.
- Conducted unit testing to ensure code quality and resolve issues efficiently.
- Participated in constructive code reviews, promoting a collaborative team culture.
- Documented code and technical processes to facilitate knowledge transfer.
- Stayed updated on industry trends and emerging technologies through continuous learning.

**Environment:** Bootstrap · CSS3 · HTML5 · JavaScript

## Education

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- Bachelors in computer science from Unity University (April 2022).