Yonatan Aschalew Tafese

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PROFESSIONAL SUMMARY

Full Stack Developer | Web Development

Full Stack Web Developer with a background in Communication/Electronics Engineering and hands-on experience in developing and implementing web applications and electronic systems. Currently engaged as a Full Stack Web Developer at DOT Ethiopia/Na'amal, where I create assessment systems and utilize technologies such as Squarespace, JavaScript, and AWS to enhance usability and efficiency. Previously worked as a Freelance Web Developer, designing user-friendly booking systems for personal services. Additionally, serve as a Part-Time IT Technician at Care Corner, responsible for troubleshooting, installing operating systems, and maintaining computer systems.

Demonstrates robust problem-solving capabilities, focusing on delivering top-tier code and engineering outcomes. Combines effective communication and meticulous attention to detail, ensuring successful collaboration across diverse teams. Proficient in an array of software tools and languages, with expertise spanning telecommunication standards, circuit design, and multilingual proficiency in English, Amharic, and Tigrigna.

AREAS OF EXPERTISE

Full Stack Web Development:
- Proficient in front-end development technologies such as HTML5, CSS3, JavaScript
- Experience with the front-end framework React
- Understanding of back-end development using Node.js and Express.js
- Familiarity with database management systems, including MongoDB
- Knowledge of version control systems, such as Git
- Familiarity with cloud platforms like AWS
- Familiarity with Agile methodologies and project management tools
- Ability to work within a team and communicate effectively

Communication and Electronics Engineering:
- Knowledge in programming languages such as C++, Python and MATLAB
- Understanding of communication systems, and electronic circuit design
- Knowledge of wireless communication technologies
- Familiarity with network protocols, such as TCP/IP and Ethernet
- Proficient in technical documentation and report writing
- Ability to work effectively in a team and communicate technical concepts clearly
- Proficient in software tools like Simulink, Visual Code Developer, and postman.
- Circuit simulation and design tools such as Eagle Designer and SPICE.
- Antenna simulation and design tool such as Ansys HFSS for Antenna Design and Simulation.

Web Development:
- Developed a responsive e-commerce website from scratch using React, Node.js, Express.js and MongoDB
- Developed a note app with HTML5, CSS3, and JavaScript
- Developed a weather app with CSS3, JSX, React, and API

Communication and Electronics Engineering:
- Designed and developed a meeting indicator with an automatic door lock using Raspberry Pi
- Designed and destructed an unauthorized drone jammer by flooding the frequency band to the drone
- Documented the project, including specifications, schematics, and test results

INTERNSHIP EXPERIENCE

Communication and Electronics Engineering Intern
Walta Media and Communication Corporate (WMCC), Addis Ababa, Ethiopia
August 2021 – December 2021(Four Months)
- Assisted in the design and testing of communication systems
- Conducted measurement, data analysis, and troubleshooting
- Collaborated with a team to implement system improvements

Work Experience

IT Technician Care Corner
November 15 2023 - May 14 2023
- Installed operating systems, repaired computers, and set up desktop computers.
- Demonstrated exceptional technical skills, a strong work ethic, and a dedication to excellence.
- Managed a variety of tasks, from basic troubleshooting to complex system installations.
- Adapted quickly to new technologies and situations, significantly contributing to the smooth operation of the IT department.

Full Stack Web Developer   DOT Ethiopia/Na'amal- REMOTE
March 31, 2024 - Present

- Created a comprehensive assessment system for disabled-run businesses to evaluate their viability based on a rating scale.
- Used Squarespace for front-end development and Zapier for workflow automation.
- Utilized Google Sheets and App Script to manage and match assessment data.
- Implemented AWS for data storage and API creation, ensuring secure and efficient data retrieval.
- Developed RESTful APIs and worked with PostgreSQL for database management.
- Automated the generation of PDFs using JavaScript and PDF.co, mapping data from Google Sheets.
- Set up workflow automation to send assessment results and notifications via email.

Freelance Web Developer-REMOTE
June 2024 - July 2024

www.lulitsspa.com

- Developed a website for a massage service to facilitate advertising and booking of personal services.
- Utilized React JS and Node JS along with Excel and Contentful for content management.
- Successfully integrated booking functionalities which improved customer interactions and service efficiency.

EDUCATION

Bachelor of Science Degree in Communication and Electronics Engineering, Bahir Dar University, Bahir Dar, Ethiopia (Awarded)

Certifications:
- • Certified in CCNAv7: Introduction to Networks (Addis Ababa University School of Commerce)
- • Certified in Full Stack Web Development (DOT Jordan)
- • Remote Work Readiness Certified (Na'amal Projects) -- Certified in skills required in the global digital labor market
- • Certified in Work Smarter with Microsoft Word, Work Smarter with Microsoft Excel
- • Practical Introduction to the command line, Crash Course on Python and Programing for Everybody (Getting Started with Python - Online Course Coursera)
- • Completion of Job Coaching provided by ZOA Ethiopia
- •Certificate in Smart Phone and Laptop Maintenance