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ABOUT ME

Hello! I am a passionate full-stack developer with over 5 years of experience in full-stack web development. I hold a bachelor's degree in Civil Engineering from Addis Ababa University and am currently pursuing a dual master's degree in Environmental Engineering and Water Science through programs at the University of Calabria and the University of Ljubljana.

I have experience in data science and machine learning and am currently a visiting researcher at the University of Plymouth working on a project focused on predicting extreme weather events. In this role, I participate in data cleaning and processing, as well as model building and testing.

My goal is to be a multidisciplinary professional, blending skills in software development and data science with my domain expertise in civil engineering, environmental, and water science. If you are looking for a committed and versatile software developer with a unique blend of engineering and programming skills, particularly in web development with React/Django and data analytics/machine learning, please don't hesitate to contact me. I am confident in my ability to deliver high-quality work and exceed your expectations.

WORK EXPERIENCE

Visiting Researcher

University of Plymouth [04/06/2024 – Current]

City: Plymouth | **Country:** United Kingdom

1. Perform data cleaning to remove inaccuracies, duplicates, and irrelevant information, ensuring data sets are primed for analysis.
2. Develop and refine predictive models using advanced machine learning techniques tailored to forecast extreme weather events.
3. Continuously test and validate models to assess their accuracy and reliability, making adjustments based on performance metrics and feedback.

Senior Web Developer

Montini Web Strategy [06/12/2023 – Current]

City: Rome | **Country:** Italy

1. Develop backend systems using Django, ensuring clean, efficient, and scalable code.
2. Design and manage databases, optimize database queries, and ensure data integrity and security using PostgreSQL.
3. Deploy applications and manage server infrastructure on AWS, including configuration, scaling, and security optimization.
4. Develop and integrate user-facing elements using React.

Software Developer

Amref Health Africa [03/05/2023 – 08/11/2023]

City: Addis Ababa | **Country:** Ethiopia

1. Implemented Agile Methodologies, fostering a collaborative and adaptive approach to software development.
2. Played a pivotal role in Database Development, designing and optimizing SQL databases, with a focus on PostgreSQL.

3. Collaborated with cross-functional teams to integrate Web Design principles, ensuring a visually appealing and user-centric experience.
4. Actively engaged in Software Design, translating requirements into scalable and efficient software solutions.
5. participated in various aspects of Web Development, utilizing technologies such as Django and Python to deliver high-quality solutions.
6. Collaborated with teams on SQL database integration, ensuring seamless communication between web applications and backend databases.

Frontend Developer(Freelance)

Addis-Maya Playschool [14/11/2022 – 17/08/2023]

City: Addis Ababa | **Country:** Ethiopia

1. Led Front-End Design initiatives to create visually appealing and user-friendly interfaces for web applications.
2. Leveraged Next.js to develop efficient and performant web applications and utilized Tailwind CSS to streamline and enhance the styling process.
3. Collaborated with UX/UI designers to implement design mockups and prototypes, translating visual concepts into functional interfaces.
4. Implemented and adhered to Coding Standards, ensuring consistency and maintainability in the codebase.

Full Stack Developer

Mereb Technologies [10/02/2021 – 01/05/2023]

City: Addis Ababa | **Country:** Ethiopia

1. Developing and maintaining web applications from scratch to deployment
2. Implement and advocate for Agile Methodologies to enhance collaboration and ensure timely project delivery.
3. Drive end-to-end Web Application Development, ensuring the creation of high-quality and scalable solutions.
4. Demonstrate expertise in Full Stack Development using technologies such as React.js, Next.js, PostgreSQL, and Django.
5. Utilize frontend technologies including React.js, Next.js, and Tailwind CSS to create intuitive and responsive user interfaces.

Junior Software Developer

Mereb Technologies [16/10/2019 – 10/02/2021]

City: Addis Ababa | **Country:** Ethiopia

1. Developing and implementing back-end functionality using databases and server-side technologies like Node.js, Express, and MongoDB
2. Creating and maintaining APIs to integrate with third-party services and tools
3. Ensuring web applications are optimized for speed, scalability, and security
4. Testing applications to identify and fix bugs and improve performance
5. Continuously improving the user experience of web applications.

Intern Software Developer

Mereb Technologies [03/05/2019 – 13/10/2019]

City: Addis Ababa | **Country:** Ethiopia

1. Actively attended team meetings and learning from experienced developers.
2. Adapted to and worked with modern frontend technologies, including Next.js and Tailwind CSS, contributing to enhanced user interfaces.
3. Assisted in database management tasks, focusing on data modeling and queries using PostgreSQL.
4. Gained hands-on experience with Agile Methodologies, participating in sprints and adapting to dynamic project requirements.

EDUCATION AND TRAINING

Bachelor of Science Degree in Civil Engineering

Addis Ababa Institute of Technology [15/09/2014 – 25/12/2020]

Address: 5 kilo campus, 1174 Addis Ababa (Ethiopia) | **Website:** www.aau.edu.et

Master Degree In Environmental Engineering

Università della Calabria [15/08/2023 – Current]

City: Rende | **Country:** Italy | **Website:** https://www.unical.it/

Master Degree In Water Science

University of Ljubljana [15/08/2023 – Current]

City: Ljubljana | **Country:** Slovenia | **Website:** https://www.en.fgg.uni-lj.si/

LANGUAGE SKILLS

Mother tongue(s): Amharic | Tigrigna

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

German

LISTENING A1 **READING** A1 **WRITING** A1

SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Social Media

Zoom / Facebook / Skype / Instagram / Twitter

Architectural, Drawing and Design software's

ETABS / AutoCAD / MS Project / SAP 2000

Microsoft

Microsoft Word / Microsoft Office / Microsoft Excel / Microsoft Powerpoint

Programming Language

HTML / CSS / Python / Javascript / C#

Data Analysis

Python (pandas, numpy, matplotlib) / Power Bi / ML Tools(Tensorflow,Keras)

Software Frameworks

React.js / Next.js / Django / Express.js / Node.js / TailwindCSS / CSS (SASS/LESS) / BootstarpCSS

Databases and Tools

SQL / PostgreSQL / MySQL / DataBase Sql Server / MongoDB