

GEMECHU GETACHOW

Software Developer

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Addis Ababa, Ethiopia



SUMMARY

Dynamic software developer with over 6 years of experience in full-stack development and data management, expert in React, Node.js, Python, NumPy, Java/JS, Angular and Vue. My key achievements include successfully designing and maintaining a responsive web application that enhanced health data management for the Butajira OpenHDS project, and managing health data operations leading to improved public health outcomes at the Ethiopian Public Health Institute. Eager to contribute technical expertise and collaborative spirit to projects that drive impactful change and empower communities.

EDUCATION

B.Sc. in Software Engineering

Haramaya University

2012 - 2016 Addis Ababa, Ethiopia

GPA
3.07 / 4.0

EXPERIENCE

Software Developer

Butajira OpenHDS, Addis Ababa University

10/2017 - Present Addis Ababa, Ethiopia

In my role as a Software Developer at the Butajira OpenHDS site, I am instrumental in developing and maintaining a web application that supports health data collection and management. My key responsibilities and achievements include:

- Designed and developed a responsive web application using modern technologies (e.g., React, Node.js, Express, and MongoDB) to facilitate efficient data entry and retrieval for health metrics.
- Collaborated with UX/UI designers to create intuitive and user-friendly interfaces, enhancing the overall user experience for data collectors and health professionals.
- Ensured data integrity and security through robust database management practices.
- Implemented data visualization tools to present health data in an accessible format, aiding stakeholders in making informed decisions based on real-time data insights.

Data Manager

Ethiopian Public Health Institute

04/2023 Addis Ababa, Ethiopia

In my role as a Data Manager at the Ethiopian Public Health Institute, I am responsible for overseeing the collection, management, and analysis of health data. My work supports public health initiatives and improves health outcomes in the community. Here are some of my key responsibilities:

- I design and implement data collection processes to gather health-related information from various sources, ensuring accuracy and reliability.
- I analyze health data to identify trends, patterns, and insights that inform public health decisions and policies.
- I maintain and manage health databases, ensuring they are up-to-date, secure, and accessible for authorized users.
- I prepare detailed reports and visualizations to present findings to stakeholders, helping them understand the implications of the data.

SKILLS

Client-Side

HTML CSS JS Angular
React Vue Redux TypeScript
Backbone Bootstrap Django

Tailwind css

Server-side

Python NumPy Ruby Java
RESTful APIs MS SQL Server
MySQL NodeJS Redis AWS
MongoDB Google Cloud HTTP/2

Development & Operations

Git GitHub/GitLab/Bitbucket
Microsoft Azure TestCafe Docker
Jest Scrum Agile

Azure DevOps

PROJECTS

Ecommerce Admin

08/2024 - 12/2024 Addis Ababa, Ethiopia
<https://github.com/gammegech/ecommerce-admin>

Developed an eCommerce admin dashboard using Next.js for efficient management of online retail operations. Key features include:

- Product Management
- Order Processing
- Responsive Design
- User Management

STRENGTHS

Team Leadership

Introduction to Leadership course.

Communication

Attended a Communication course.