

Nathnael Gebre - Software Engineer

Seasoned Full-Stack Developer with 7 years in Web Development, Database Engineering, and Python-based Machine Learning. Expert in crafting scalable web applications and optimizing database functionalities. Adept in deploying advanced machine learning models, ensuring high-performance outcomes. Proven ability to deliver robust solutions in dynamic environments. Excel in client-side and server-side development, achieving seamless system integration.

Work Experience

Mad Services – Main branch – Asmara, Eritrea

February 2017 - Nov 2023

Branch location – 5353 Claremont Ave Oakland, CA

Full stack web developer,

- Built and deployed dynamic sites for multiple clients using HTML5, JavaScript, ReactJS, and CSS, ensuring high user engagement and satisfaction.
- Developed corporate sites, e-commerce, informational blogs, and interactive portfolios, each tailored with unique features like custom layouts and content management systems
- Engineered robust backend solutions with Node.js and Express.js, creating scalable APIs and integrating with diverse databases like MySQL and MongoDB.
- Enhanced site performance by 22%, achieving cross-browser compatibility and compliance with accessibility standards, leading to improved user experience.
- Modernized UI components to React 16 using hooks, streamlining code, and improving application efficiency.
- Facilitated design thinking workshops that generated three innovative projects, showcasing creative problem-solving and user-centered design.
- Participated in an agile team, delivering comprehensive front-to-back solutions.

National Statistic Office - Asmara, Eritrea

January 2014 - 2017

Data Engineer, SQL

- Oversee the design, development, and maintenance of the databases and ensure data, security
- Implemented query optimization techniques, ensuring efficient data retrieval and analysis.
- Implemented algorithms in Python to analyze and derive insights from complex datasets.

TECHNICAL SKILLS

Software/Web Development Languages:

- Expert (HTML, CSS, JavaScript, React, Python, React Native, MySQL, NodeJS, ExpressJS, Redux, Java, MongoDB)
- Proficient(Java Spring(Core, Boot), Typescript, REST API, PostgreSQL, MongoDB, C, C++,)
- Competent (Angular, AWS, Azur, JSON, OpenAPI, Webpack, Axios, GraphQL, WebSocket)

EDUCATION

San Francisco State University

May 2023

Bachelor of Science in Computer Science

San Francisco, CA

Awards: Deans list for 3 semesters

Honors: Graduated Cum Laude(GPA: 3.5)

Certifications - Certificate in Data Science and Machine Learning for Biotechnology

Peralta Community Colege

May, 2021

Associate Degree in Mathematics

Oakland, CA