

# Nathnael Gebre - Full Stack Developer

Oakland, CA | (202) 499-8901

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Expert Full Stack Developer proficient in both front-end and back-end aspects of web application development. Skilled in JavaScript ES6, React, Redux, NodeJS, MongoDB, and Express, with a strong understanding of APIs and modern frameworks. Experienced in Python-based Machine Learning and Database Engineering.

Adept in deploying advanced machine learning models for high-performance outcomes. Proven ability to deliver robust solutions in dynamic environments, excelling in client-side and server-side development for seamless system integration.

## Work Experience

### Mad Services – Main branch - Asmara, Eritrea

January 2017 -Nov 2023

Branch location - 5353 Claremont Ave Oakland, CA

Front End/Full stack web developer,

- Revitalized web applications using HTML5, JavaScript, ReactJS, CSS, and Node.js, generating a 22% increase in site performance and enhancing user engagement. Implemented scalable backend solutions with Express.js and integrated with MySQL and MongoDB databases.
- Pioneered the development of diverse web solutions, including corporate sites, e-commerce platforms, informational blogs, and interactive portfolios. Each featured unique elements like custom layouts and advanced content management systems, contributing to a significant rise in client satisfaction.
- Modernized user interface components to React 16 using hooks, which streamlined codebases and improved application efficiency, positively impacting user experience and accessibility.
- Developed high-performance backend logic with Node.js, optimizing API response times for real-time data exchange and seamless front-end integration, ensuring scalable application infrastructure.
- Designed RESTful APIs using Node.js for efficient database interactions with MySQL and MongoDB, enabling dynamic content generation and personalized user experiences across the platform.
- Contributed as a key member of an agile team, delivering comprehensive front-to-back solutions that enhanced overall project efficiency and team dynamics.

### National Statistic Office - Asmara, Eritrea

January 2014 - 2017

Data Engineer. SQL

- Oversee the design, development, and maintenance of databases while ensuring data security.
- Implemented query optimization techniques, enhancing data retrieval and analysis efficiency.
- I utilized Python to create algorithms for analyzing and deriving valuable insights from complex datasets.

## TECHNICAL SKILLS

Software/Web Development Languages:

- Expert ( HTML, CSS, JavaScript, React, Typescript, Python, FastAPI, Flask, Django, MySQL, NodeJS, Express.js, API, MongoDB, Typescript, Bootstrap, Tailwind, )
- Proficient(Java Spring(Core, Boot), REST API, PostgreSQL, C, Next.js, 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 College

May, 2021

Associate Degree in Mathematics

Oakland, CA