

# Natnael Tadu Yilma

EMAIL: [nattysec26@gmail.com](mailto:nattysec26@gmail.com)

LinkedIn: <https://www.linkedin.com/in/tadujr>

Website: <https://tadujr.com>

## EDUCATION

**B.S. COMPUTER SCIENCE**, OCT 2019 – FEB 2023

- HiLCoE School of Computer Science and Technology College

**B.S. COMPUTER SCIENCE**, FEB 2023 – FEB2025

- Unity University

## TECHINICAL SKILLS

### LANGUAGES/TOOLS/Frameworks/CONCEPTS/DATABASE

- TypeScript, Node.js, Postgres, Prisma, Redis, MonogDB
- Reactjs, Tailwind, Express.js, Nestjs, Docker, Turborepo, REST API, GCP

## PROFESSIONAL EXPERIENCE

### FULL STACK ENGINEER | PICKUP ICT SOLUTION | AUG 2024 - CURRENT

- Implementing Clean Architecture with SOLID principles in the eCommerce platform and internal order management app using NestJS, TypeScript, Node.js, React, and Postgres, and streamlining order processing for 10+ staff users.
- Pioneered Monorepo architecture using Turborepo for eCommerce and delivery applications, reducing build times by and accelerating deployment cycles.
- Optimized the frontend delivery application using React and TypeScript as part of a five-member team, decreasing bundle size by 40%, which enhanced page load times for 5,000 MAU.
- Designed a type-safe REST API with NestJS and TypeScript, adhering to best practices (clear endpoints, versioning, error handling, filtering), handling daily requests with 99.9% uptime on GCP deployment using Cloud Run for scalable containerized services.
- Integrated real-time order tracking in the delivery app using NestJS, Node.js, and external APIs with the team, reducing delivery errors and improving customer satisfaction.
- Deployed Thumbor, an open-source image processing tool, with Redis, reducing server load by 35% and image loading time by 50% for daily product views.

### OPEN-SOURCE BACKEND DEVELOPER | CALCOM, REMOTE | MAY 2024 - AUGUST 2024

- PR #14985: "fix: hide private user info in get me endpoint" (related to issue #14870). This PR enhances privacy by hiding sensitive user information in the API response, likely reducing the risk of data exposure.
- PR #15948: "feat: audit log for organization settings page" (related to issue #15894). This was an attempt to implement an audit log for tracking changes in organization settings. Also earned a bounty for this contribution. The issue emphasizes logging for accountability, suggesting potential impact on administrative oversight.

## PERSONAL PROJECTS

### BLOG API - <https://github.com/TaduJR/BlogAPI>

- This project is an API that allows authors to create, manage, and interact with their blog-related content, and users. This API serves as the backend for a blog platform and offers various endpoints to perform actions such as creating authors, writing and updating blog posts, liking blogs, posting comments, and more.

### DATA STRUCTURE AND ALGORITHM - <https://github.com/TaduJR/Data-Structures-using-CPP>

- Developed a personal Data-Structures-using-CPP project, implementing stack, linked list, doubly linked list, and queue in C++, push/pop operations for stack and queue tested with 1,000+ sample inputs.