Ermiyas MIsganew

Full Stack Developer

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SUMMARY

I am a highly motivated and versatile Software Engineering student at Bahir Dar University, transitioning into a Full Stack Developer role with a strong foundation in frontend development and rapidly expanding expertise in backend systems. I excel at building responsive, user-friendly web applications using modern JavaScript frameworks like React and Next.js, and I am actively engaged in developing robust server-side logic, API integrations, and database management. I am eager to leverage my comprehensive academic knowledge and practical full-stack skills to contribute to innovative projects and deliver end-to-end software solutions within a dynamic engineering team.

WORK EXPERIENCE

Full Stack Developer at TechSolutions Inc.

2024-07-15 - Present | Bahir Dar, Ethiopia

Developed and maintained responsive and interactive user interfaces for client websites using React and Next.js. Engineered reusable React components with custom hooks and implemented state management solutions with Redux Toolkit. Simultaneously, I am actively involved in backend development, designing and implementing RESTful APIs using Node.js and Express.js, integrating with PostgreSQL databases, and ensuring robust server-side logic. Utilized Git for version control in a collaborative team environment, participating in code reviews and agile sprint ceremonies. Optimized web application performance and contributed to scalable backend solutions.

✓ Improved user engagement by 15% through responsive and interactive user interfaces.

✓ Reduced code duplication by 20% and accelerated feature development by engineering reusable React components with custom hooks.

✓ Decreased page load times by 10% through web application performance optimization.

- ✓ Designed and implemented scalable RESTful APIs, enhancing data retrieval efficiency by 25% for critical application features.
- ✓ Successfully integrated PostgreSQL databases, ensuring data integrity and efficient storage for new backend services.

Technologies: React, Next.js, Redux Toolkit, Node.js, Express.js, PostgreSQL, Git, Docker

PROJECTS

E-Commerce Product Page

Built a single-page product showcase with a dynamic image gallery, product selection, and cart functionality using React. Implemented state management for user selections and cart items using the Context API. Styled components with CSS Modules for scoped, modular, and maintainable styling.

Technologies: React, Context API, CSS Modules

Employee Management System

Developed a full-featured employee management system using Java, focusing on core object-oriented programming (OOP) principles. Designed and implemented modules for employee registration, payroll processing, leave tracking, and performance management. Utilized JDBC for database connectivity to manage employee records and ensure persistent data storage. Employed exception handling, inheritance, and encapsulation to create a robust, reusable, and maintainable codebase. Conducted thorough testing of system operations (CRUD functionality, validation, and reporting) to ensure reliability and accuracy.

Technologies: Java, JDBC, OOP

EDUCATION

Bachelor of Science - Software Engineering

Bahir Dar University (BDU), Bahir Dar, Ethiopia (2027)

Courses: Data Structures & Algorithms, Object-Oriented Programming, Database Systems, Web Engineering, Software Architecture & Design, Human-Computer Interaction

SKILLS

FRONTEND FRAMEWORKS & LIBRARIES

React

Next.js

Redux Toolkit

React Query (TanStack Query)

Bootstrap

Tailwind CSS

WEB DEVELOPMENT CONCEPTS

Responsive Web Design

Cross-Browser Compatibility

Component-Based Architecture

State Management

UI/UX Principles

PROGRAMMING LANGUAGES

JavaScript (ES6+)

TypeScript

Python

Java

BACKEND FRAMEWORKS

Express.js

Django

Flask

DATABASES

PostgreSQL

MongoDB

MySQL

FRONTEND TECHNOLOGIES

HTML5

CSS3

VERSION CONTROL

Git

GitHub

DEVOPS & CLOUD

Docker

AWS (EC2, S3)

DEVELOPMENT TOOLS

VS Code

Chrome DevTools

BACKEND TECHNOLOGIES

Node.js

API DEVELOPMENT

RESTful APIs

BUILD TOOLS

npm/yarn

LANGUAGES

- English - Fluent