

# Yonas Seyoum Teka

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Addis Ababa, Ethiopia

## Profile

Software Engineer with 3 years of experience in full-stack development, system optimization, and AI-integrated applications. Proficient in React.js, Node.js, Java and Python, with a strong track record in building scalable APIs and responsive interfaces. Experienced in agile environments, code reviews, and CI/CD practices. Focused on writing clean, maintainable code and enhancing user experience through smart, efficient solutions.

## Skills

### Software Engineering Expertise

- Full-Stack Web Development
- Proficient in Algorithms & Data Structures
- Object-Oriented and Functional Programming
- Designing Scalable Web & Mobile Applications

### Frontend and User Experience Design

- Building Responsive UIs using React, Angular, Vue, Next, Nuxt
- Advanced State Management with Redux, Context API
- Cross-Platform Mobile Development (React Native, Flutter)

### Collaborative Development and Agile Practices

- Agile Software Development
- Version Control using Git and GitHub/GitLab

### Testing & Quality Assurance

- Unit & Integration Testing with Jest
- Performance Tuning and Bug Fixing
- Continuous Monitoring, Error Tracking, and Logging

### Software Development and Architecture

- Expertise in JavaScript, Python, TypeScript, Java, and C++
- RESTful API Development and Integration (Node, Django, Flask)
- Microservices Architecture & Cloud-Based Solutions
- Data Management & Database Design (SQL, NoSQL, PostgreSQL)

### AI & Intelligent Systems Integration

- Adding AI and machine learning to applications
- Automating tasks to improve efficiency
- Using AI for better user interactions
- Creating systems that recommend personalized content

### DevOps

- CI/CD Pipeline Development & Automation
- Containerization & Orchestration

## Professional Experience

2022/05 – present

### Fullstack Developer (Freelance)

- Engineered comprehensive mathematics problem sets and solution frameworks specifically crafted for secondary and post-secondary learners.
- Developed rigorous, multi-faceted tutorials spanning topics such as differential equations, linear algebra, and formal mathematical proofs, ensuring conceptual clarity and depth.

2024/02 – 2024/06

### Dowell Research (React Developer)

- Designed and implemented responsive user interfaces using React.js, ensuring a seamless experience across multiple devices and screen sizes.
- Optimized UI components for performance and responsiveness, focusing on fast loading times and efficient rendering.

- Ensured cross-browser compatibility by testing and addressing issues across various platforms, providing a consistent experience for all users.
- Migrated legacy Python web applications to React.js, significantly improving performance scalability, and overall user experience with modern front-end technologies

2023/06 – 2023/11

### **Humanitech (Fullstack Developer)**

- Developed reusable code and libraries to enhance scalability and efficiency across future projects.
- Utilized static code analysis tools to assess code quality, ensuring consistency and comprehensive test coverage.
- Streamlined development workflows by implementing maintainable and modular code structures.

## **Education**

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2019/04 – 2023/08  
addis ababa, Ethiopia

### **Bachelor of Science in Computer Science**

University of the People

- Built a strong foundation in software engineering and mathematical analysis, integrating system design, algorithms, and data structures into computational applications.
- Gained expertise in full-stack development, cloud computing, system architecture, and numerical optimization.
- Gained experience in version control with Git, debugging, and performance optimization.
- Leveraged probability, statistics, discrete mathematics, and linear algebra to optimize algorithms and data-driven decision-making.

## **Projects**

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### **Supplify**

Application designed to help businesses track and manage their inventory efficiently, monitor stock levels, receive low stock alerts, track sales, manage suppliers, and streamline barcode based inventory operation.

### **Survey App**

AI-powered survey application that allows users to input a survey title, automatically generates relevant questions using natural language processing, and collects user responses. The completed surveys are securely stored in a MongoDB database, enabling efficient data management and retrieval for analysis.

### **VoiceNav AI**

An AI-Powered Voice Navigation Web App enables users to interact with websites using voice commands. The system listens to user input, processes it through a speech recognition engine, and performs corresponding actions such as opening web pages, navigating between sections, or executing specific commands

### **Local Service Provider**

A platform that connects people with reliable service providers like plumbers, electricians, mechanics, and carpenters in their local area. Users can browse verified professionals, read reviews, and book services based on their needs. Service providers can showcase their skills, manage bookings, and build trust through customer feedback. The system includes location-based search, secure payments, and real-time notifications to streamline the process of finding and hiring skilled professionals.