

# KALEB TSEGAYE

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## FULL STACK DEVELOPER

Talented Full Stack Developer with 4 years of professional web development experience leading design and implementation of complex projects while improving performance and functionality. Experienced in Full Stack development and website design. Skilled in using technologies such as JavaScript, NodeJS, Java, Spring boot, TypeScript, React, Angular, AWS, Firebase, CI/CD, Database and Docker.

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Frontend / Backend Development • Java Programming • UI / UX Implementation • Dependency Injection  
Server-Side Rendering • Design Patterns • Microservices • Agile Methodology

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**Languages:** NodeJS, JavaScript, Java

**Web:** HTML, CSS, SCSS, TypeScript, Material UI, Tailwind CSS, SocketIO, Webpack, Vite

**Web Services:** REST, gRPC

**Web and Application Servers:** Apache, NGINX, Tomcat

**Frameworks:** Express.js, Spring Boot, Hibernate, Angular, React.js

**Databases:** MySQL, MongoDB, Redis

**Design Patterns:** Singleton, Factory, Observer, façade Patterns

**SDLC:** Agile, Waterfall, Rapid Application Development, Hybrid Approach

**Tools:** Git, Postman, BloomRPC, CircleCI, Slack, Shortcut, Docker, IntelliJ IDEA, VS Code, Miro

**Platforms:** Linux, Windows, AWS

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## PROFESSIONAL EXPERIENCE

**CAREER NOTE:** Completed on-campus studies and currently taking distance education courses to complete a **master's Degree in Computer Science** (Available for full-time, W-2 employment).

### GEBEYA INC, Addis Ababa, Ethiopia • 2022

Online freelance talent marketplace.

#### Software Development Consultant - Client DadoHR, Germany (remote)

Provided consultation to DadoHR to build and implement a robust HR tool.

- Created task automation and notification for employee onboarding feature.
- Implemented third party integration with Google Calendar, Slack and email clients.
- Implemented task lifecycle feature based on date timeline.
- Led debugging to improve performance of a React application.

**Technologies Used:** *TypeScript, React.js, Material UI, Firebase, Git, Shortcut, Slack, HTML, CSS.*

### MEREB TECHNOLOGIES, Addis Ababa, Ethiopia • 2021-2022

Software development outsourcing company.

#### Full Stack Developer

Led team in implementing Full Stack development through all phases of software development life cycle.

- Managed team to remake a poker game with Microservices and modern gRPC technologies.
- Designed a game with face detection to answer trivia questions by monitoring movement of the head.
- Created a better workflow for my team to facilitate feature rollouts using CircleCI, Docker and Github
- In charge of web application development with modern look and interactive features.

***Technologies Used:*** React.JS, JavaScript, Go, gRPC, Redis, MediaPipe Face Mesh, Docker, Postman, BloomRPC, CircleCI, Git, GitHub, Material UI, Tailwind CSS, VS Code, HTML, CSS.

## **TILTEK TECHNOLOGIES, Addis Ababa, Ethiopia • 2019-2021**

Software development and telecommunications company.

### **Software Developer**

Built web applications for international and local clients using Agile methodologies.

- Led major version update for existing systems with nearly 500,000 users, including new frontend UI / UX and backend application.
- Migrated existing system data from CMS platform to backend server, increasing new users to 2,000 a week on average.
- Integrated a payment system where employers be members of the services
- Designed and implemented a Resume` builder in the application where applicants can build their CV and download them.
- Created a web application to receive SMS votes for national music contestants and provided live results for judges and hosts.
- Designed functional UIs and backend application to parse through incoming bulk SMS data.

***Technologies Used:*** Angular, React.js, Node.js, Express.js, AWS EC2, AWS S3, Socket IO, Material UI, Angular Material, MySQL, Git, Postman, Linux Terminal, NGINX, MongoDB, HTML, CSS.

## **FREELANCING PROJECTS**

### **Fiverr**

#### **Full Stack Developer**

- Built web applications using React, Angular, NodeJS, Tailwind CSS
- Provided consultation to new beginner developers
- 5 star rated developer on the platform - Fiverr
- Top 3 recommended developer in my paygrade
- Highly acclaimed by clients for my services - [https://www.fiverr.com/kaleb\\_wond](https://www.fiverr.com/kaleb_wond)

## **ACADEMIC PROJECT**

### **Maharishi International University, Fairfield, IA (2023):**

- Library Management System - Designed library system to manage the book borrowing process. Technologies Used Java and Swing.
- ID Badge Scanning System - Designed a backend application that checks membership, plans and number of scans to allow entrance for members at service centers. Technologies Used Spring Boot, Docker, Postgres, Hibernate, Tomcat, Postman, Git.
- Realtor Web Application - Designed for property owners to list their properties for sale or for rent so they can receive offers from buyers. Technologies Used ReactJS, Tailwind CSS, Spring Boot, Docker, Hibernate, Postgres, SendGrid SDK, Postman, Git

## PERSONAL PROJECTS

- **Pentatonic Piano (2022)**: Designed piano application to be used with keyboard or mouse and ability to play 7 pentatonic scales from any key. Utilized React.js, and CSS.
- **Natour Website (2020)**: Developed website with advanced CSS styling for hypothetical touring company. Utilized HTML and SCSS.
- **User Profile Management System (2023)**: Developed a full stack web application for users to manage profiles. Utilized ReactJS, Spring Boot, AWS S3, AWS Java SDK

## EDUCATION

### Master of Science in Computer Science

*(In progress via distance education; expected completion June 2025)*

Maharishi International University, Fairfield, Iowa

*Key Courses: Fundamentals of Programming Practices, Modern Programming Practices, Enterprise Applications, Web Applications Architecture, Cloud Computing, Software Architecture*

### Bachelor of Science in Software Engineering

Addis Ababa University, Addis Ababa, Ethiopia

## REFERENCE

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