

# Abel Teame

Addis Ababa, Ethiopia

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## Summary

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Senior Frontend Developer with 4+ years of experience designing and delivering enterprise-scale web applications across healthcare, insurance, and logistics domains. Expert in Vue.js and React; led cross-functional teams building platforms that serve thousands of users across Ethiopia. Published open-source npm packages. Strong full-stack awareness spanning Node.js, Express, and relational/NoSQL databases.

## Experience

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### Frontend Developer

*December 2025 – Present*

*RaAz Transport S.C., Addis Ababa, Ethiopia*

- Delivered **3 production websites**: a Next.js marketing site, one internal app built from scratch, and a full migration of a legacy Vue 2 Transport Management System (TMS) to a modern stack — completed the migration in **2 weeks**.
- Led the TMS modernisation ([chinet-tms.et](https://chinet-tms.et)) from Vue 2 to Vue 3 + TypeScript + TanStack (Query, Table, Form) in **2 weeks**, achieving:
  - **62% reduction in codebase size** (236K → 89K lines of source code) despite growing from 441 to 560 components
  - **50% fewer runtime dependencies** (36 → 18) by replacing Bootstrap, Vuetify, and PrimeVue with a single Tailwind CSS layer
  - Introduced TypeScript throughout — the old codebase had none
  - Added a full test suite (Vitest + Playwright) where zero tests previously existed
  - Migrated state management from Vuex to Pinia for type-safe, composable stores
- Replaced ad-hoc API patterns with TanStack Query, reducing redundant network requests and significantly improving perceived performance across the platform.
- Built the company marketing site ([chinetlink.et](https://chinetlink.et)) in Next.js, leveraging SSR and static generation for SEO performance and fast page loads.
- Developed the logistics dashboard app ([app.chinetlink.et](https://app.chinetlink.et)) from scratch using Vue 3 and the TanStack ecosystem.
- Built complex, reusable UI components (tables, forms) capable of handling large datasets and intricate state management requirements.

### Senior Frontend Developer & Team Lead

*October 2023 – November 2025*

*Medco Technology Solutions, Addis Ababa, Ethiopia*

- Led, mentored, and managed a team of **3 frontend developers**; owned all technical decisions, conducted regular code reviews, and enforced engineering best practices across the team.
- Designed and owned the core Vue.js frontend architecture, prioritising modularity, scalability, and performance for large-scale enterprise applications.
- Delivered **4 major digital transformation projects** at speed to win competitive government and enterprise bids — including Kenema Pharmacies Enterprise ([rx.kenemapharmacy.com](https://rx.kenemapharmacy.com)) and the CBHI (Community-Based Health Insurance) platform, both of which remain in active production use and continue to be strategic assets for the company.
- Also delivered Alert Hospital Pharmacy Management System and a Life/Medical Insurance & Claim Management System, converting critical manual workflows into robust digital platforms.
- Engineered a shared component library adopted across all products — including a custom `useApiRequest` composable built from scratch that replicated TanStack Query's core behaviour (request lifecycle, loading/error states, caching, and reactivity) before the team migrated to TanStack Query — accel-

erating feature delivery and ensuring API-handling consistency across every project.

- Established onboarding standards and training programmes ensuring all new hires were productive on the codebase within their first week.
- Collaborated with Product Management, Backend Engineering, and Design to translate business requirements into maintainable, well-tested features on tight deadlines.

### Frontend Developer

September 2019 – December 2022

*Kulfinet ([kulfinet.com](http://kulfinet.com)), Addis Ababa, Ethiopia*

- Built and maintained a marketplace platform connecting buyers and sellers across Ethiopia, serving **1,000–1,500 monthly active users**.
- Developed performant Vue.js frontends integrated with a NestJS/PostgreSQL backend, improving page load times through code-splitting and lazy loading.
- Implemented responsive designs ensuring consistent UX across mobile and desktop.

### Frontend Developer

2018 – 2019

*RENOSTAR*

- Migrated legacy Joomla sites to WordPress; subsequently migrated selected projects to Vue.js, modernising the tech stack and improving maintainability.

## Projects

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### Foreign Employment Term Assurance Platform — *Nyala Insurance* ([niscofetap.com](http://niscofetap.com))

- Built responsive frontend for a national-scale insurance platform managing foreign employment term assurance policies, reducing manual processing errors and improving client self-service.
- **Stack:** Vue.js, Java, Spring, MySQL

### Alert Hospital Pharmacy Management System — *(Live at Alert Hospital)*

- Developed the complete frontend for a deployed pharmacy system; improved medication dispensing accuracy, streamlined inventory tracking, and enhanced patient safety workflows.
- **Stack:** Vue.js, Java, Spring, MySQL

### Mobile Insurance App — *Lemobile*

- Developed a React Native app providing users with instant access to phone insurance policy details and a guided claim-filing flow.
- **Stack:** React Native, Java, Spring, MySQL

### Personal Portfolio ([abelteame.dev](http://abelteame.dev))

- Designed and built a personal portfolio site with smooth page transitions, scroll-driven animations, and near-instant load times using Astro's static output.
- Implemented GSAP animations, Lenis smooth scroll, and Barba.js page transitions for a polished, app-like browsing experience with zero JavaScript framework overhead.
- **Stack:** Astro, GSAP, Lenis, Barba.js

### Modal-X — [@customizer/modal-x](https://github.com/customizer/modal-x) on npm

- Engineered and published an open-source Vue.js & React modal plugin with a file-based API, adopted by the Vue.js community to eliminate repetitive modal boilerplate.
- **Stack:** Vue.js, React, TypeScript

### Enterprise Form System (Vue.js & React)

- Designed and built a production form system on top of TanStack Form, implemented identically in both Vue 3 and React, and deployed across all enterprise products.
- **Unsaved-changes guard:** blocks in-app route navigation (`onBeforeRouteLeave` / TanStack Router `useBlocker`) and browser tab close (`beforeunload`), showing a confirmation modal — preventing accidental data loss on complex enterprise forms.
- **Smart dirty detection:** custom `hashForCompare` handles `File`, `Date`, nested objects, and arrays correctly — closing a gap in TanStack Form’s built-in dirty check which fails on these types.
- **Auto-scroll to first error:** on submit, automatically locates and focuses the first invalid field, eliminating manual error hunting on long forms.
- **Reactive edit-mode sync:** watches external `values` prop and patches only changed fields — enabling seamless pre-population for edit workflows without full form resets.
- **Payload sanitisation:** strips internal `fakeId` tracking keys, removes empty/null fields, and coerces numeric strings before submission — keeping API payloads clean automatically.
- **Conditional field cleanup:** field values and errors are cleared on unmount, so dynamically shown/hidden fields never leave stale state in the form.
- **Zero-dependency validation engine:** replaced Zod/Yup entirely with a lightweight TypeScript validation layer — every rule is a plain `(value) => [boolean, string]` function, making the system fully composable and trivially extensible without learning a schema DSL.
- **validateAll orchestrator:** runs `required` and priority validators first, skips non-required rules on empty values (preventing “invalid email” messages on blank optional fields), passes `form` context for cross-field rules (e.g. password confirmation, date range comparisons), and short-circuits on the first error.
- **30+ built-in validators:** email, phone, date/time comparisons (`gt/gte/lt/lte`), file size & type, price format, alpha/alphanumeric, time ranges, password strength, and more — all returning i18n-ready messages via the app’s lang store.
- **Array-row validation:** `validateArrayItems` validates each row of dynamic list inputs with `fakeId`-keyed errors, so adding or removing rows never corrupts existing error state.
- **Stack:** Vue 3, React, TanStack Form, TypeScript

#### MARBARKTRADING CMS ([marbaraktrading.com](https://marbaraktrading.com))

- Designed and deployed a full-stack custom CMS enabling non-technical staff to manage website content independently, removing developer dependency for routine content updates.
- **Stack:** Vue.js, Express.js, Node.js, MongoDB

#### Technical Skills

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<b>Languages</b>	JavaScript (ES6+), TypeScript, HTML5, CSS3, PHP, Java, Python, Dart, Kotlin, Elixir
<b>Frameworks</b>	Vue.js, Nuxt.js, React.js, Next.js, Astro
<b>TanStack</b>	Query, Router, Table, Form
<b>State Management</b>	Pinia, Vuex, Redux, Zustand, React Context API
<b>UI / Styling</b>	Tailwind CSS, Shadcn UI, Reka UI, Material-UI, Bootstrap, class-variance-authority, tailwind-merge
<b>Animation</b>	GSAP, Lenis, Barba.js
<b>Forms</b>	React Hook Form, TanStack Form, Formik
<b>Mobile</b>	React Native, Flutter ( <i>intermediate</i> )
<b>Maps</b>	Leaflet, Google Maps API
<b>Backend</b>	Node.js, Express.js, NestJS, Spring Boot
<b>Databases</b>	MySQL, PostgreSQL, MongoDB
<b>ORMs / ODMs</b>	Prisma, Sequelize, Mongoose
<b>Testing</b>	Vitest, Playwright, Jest, React Testing Library, Cypress
<b>Build Tools</b>	Vite, Webpack, npm, Yarn
<b>Version Control</b>	Git, GitHub, GitLab
<b>Real-time</b>	Socket.io
<b>Performance</b>	Web Vitals, code splitting, lazy loading, image optimisation
<b>Open Source</b>	<a href="#">@customizer/modal-X</a> — Vue.js & React modal plugin (published on npm)
<b>Other</b>	WordPress, WAI-ARIA (A11y), SEO best practices, Agile / Scrum

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## Education

**B.Sc. in Software Engineering**

2016 – 2020

*Microlink Information Technology and Business College, Addis Ababa, Ethiopia*

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## Languages

English (*Professional*) | Amharic (*Native*) | Tigrigna (*Native*)