

Abdi Ayana

Full-Stack Engineer

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SUMMARY

Full-stack engineer building multi-tenant web applications in TypeScript, React, Node and PostgreSQL. Nine years in banking operations and four in transportation before and alongside software, which is why I build for domains where correctness, access control and messy operational rules are the hard part. Currently building a fleet management platform for student transportation.

EXPERIENCE

Founder & Engineer

Nice Technologies, Inc. — Charlotte, NC · 2026 – Present

- Building a multi-tenant fleet management platform for student transportation and commercial operators.
- Enforce tenant isolation in PostgreSQL row-level security so an unset tenant context fails closed rather than leaking records between operators.
- Implemented TOTP multi-factor authentication with recovery codes, invitation and password-reset flows, and a customer-approved support-access tier.
- Model the scheduling domain: school bell and release times, ordered pickup and drop-off stops, and independent morning and afternoon legs.
- Stack: Next.js, React, TypeScript, Node, PostgreSQL, React Native (Expo), MapLibre.

Office Manager

Prestige Transportation — Charlotte, NC · 2024 – Present

- Manage day-to-day office operations for a transportation company.
- Dispatch drivers to daily runs and coordinate coverage as schedules change.
- Handle billing and invoicing for completed runs.

Full-Stack Developer

Gobena and Associates — Charlotte, NC · 2023 – 2024

- Designed and implemented custom software for a legal practice, streamlining case and client processes.
- Worked directly with non-technical staff to translate day-to-day workflows into working software.
- Collaborated across teams to align technical decisions with business objectives.

Web Developer

Central Business Solutions LLC — Charlotte, NC · 2022 – 2023

- Built and maintained custom web applications for client needs.
- Improved user experience through responsive design and site performance work.
- Streamlined recurring site maintenance, reducing manual effort.

Professional Driver

Valley Oasis Transportation LLC — Minneapolis, MN · 2020 – 2021

- Drove student transportation routes while completing coursework.
- Maintained an exemplary safety record across daily schedules and diverse passenger needs.

Branch Manager

Oromia Credit & Saving S.C. — Oromia, Ethiopia · 2013 – 2019

- Ran a branch: recruitment, training and performance management for the team.
- Increased branch profitability through cost control and streamlined operational processes.
- Improved customer satisfaction by raising service quality and resolving client issues promptly.

Branch Accountant

Oromia Credit & Saving S.C. — Oromia, Ethiopia · 2010 – 2012

- Maintained branch books, including reconciliation and financial reporting.
- Streamlined accounting processes and supported the move onto new financial software.
- Reduced outstanding accounts receivable through systematic follow-up on overdue invoices.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL, Java, PHP, HTML5, CSS3

Front end: React, Next.js, React Native (Expo), Context API, jQuery, Bootstrap, responsive design

Back end: Node.js, Express, REST API design, authentication (sessions, JWT, TOTP MFA), object-oriented design

Data: PostgreSQL (row-level security), MySQL, MongoDB, Firebase, Firestore, schema design and migrations

Practice: Git and code review, automated testing, AWS, network and application security

EDUCATION

A.A., Cyber Security and Defense

Minneapolis College — Minneapolis, MN · 2023

B.Sc., Computer Science

Wollega University — Nekemte, Ethiopia · 2015

B.A., Accounting and Finance

Rift Valley University — Nekemte, Ethiopia · 2012

Diploma, Accounting

Nekemte TVET College — Nekemte, Ethiopia · 2010

CERTIFICATIONS

- Full Stack Web Development (MERN) Program — Evangadi Tech, 2023
- React.js Essential Training — LinkedIn
- Introducing Semantic Kernel: Building AI-Based Apps — LinkedIn
- Get Ready for Generative AI — LinkedIn
- Programming for Everybody (Getting Started with Python) — University of Michigan

LANGUAGES

English — professional working proficiency | Oromo — native | Amharic — native