CONTACT

LOCATION
Addis Ababa, Ethiopia (UTC+3)
Open to remote

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PORTFOLIO
abrishcodes.netlify.app

SKILLS

Languages

TypeScript · JavaScript · Solidity · Python · SQL · C · Bash

Front-end

React · Next.js · Redux · Zustand · Tailwind CSS · HeroUI · Framer Motion

Back-end & data

Node.js · Express · REST APIs · PostgreSQL · Prisma · MongoDB · MySQL · Flask · Telegraf

Blockchain & identity

Hyperledger Identus · DIDs · Verifiable Credentials · SSI · DIDComm v2 · Solana · Celo / EVM · Smart contracts · Hardhat · Wagmi · Farcaster Mini Apps · Stablecoins / CBDC · Cardano · Ed25519 signing

Security & DevOps

OAuth 2.0 / OIDC · PKCE · JWT / JOSE · NextAuth · Docker · Vercel · Render · Cloudflare · Git / CI · Linux

Abrham Bunaro

Full-Stack & Blockchain Engineer · DeFi, Stablecoins & Digital Identity

TypeScript · Next.js · Solidity · Solana · Celo · Self-sovereign identity

PROFILE

Full-stack and blockchain engineer with **5+ years** of experience building web products, the last three-plus remotely for **Fairway Oy**, a Finland-based startup working on **institutional DeFi** and digital identity. I build stablecoin and savings dApps on **Solana** and **Celo**, Solidity smart contracts, SSI wallets and national-ID integrations with TypeScript, Next.js and Node.js. My hackathon work includes two **top-10 placements** (ContraClear and the Fayda Hackathon) and a demo at **ETHGlobal Buenos Aires**. I also have an engineering degree, a cybersecurity background, and a record of shipping products people in Ethiopia actually use.

EXPERIENCE

Mid-Level Full-Stack Developer
Sep 2022 – Present

Fairway Oy · Institutional DeFi & digital identity · Helsinki, Finland (remote)

- Co-built **ContraClear**, Fairway's peer-to-peer OTC stablecoin swap on **Solana**, currently a top-10 hackathon project.
- Build the **Fairway ID Wallet**, a mobile-first SSI wallet on Hyperledger Identus (Next.js, TypeScript): encrypted local credential storage, DIDComm v2 credential exchange and QR-based issuance and verification.
- Built the **issuer / verifier portal** (Next.js, Prisma, NextAuth) that lets organisations configure proof requests, show QR codes and review verification results against the wallet.
- Developed the **Fayda national-ID integration** backend (Node.js, Express): OAuth 2.0 / OIDC with PKCE, token and user-info flows, JOSE/JWT handling, rate limiting and hardened headers.
- Contributed to a **compliance-oracle API** returning Ed25519-signed responses, plus branded wallet configuration and mobile deep-link callback flows.
- Built a **Telegram bot** (Python) for CV creation and job listings.
- Ship responsive React/Redux interfaces with a distributed team across Finland and Ethiopia, including Cardano ecosystem work.

Cybersecurity Intern
Nov 2022 – Feb 2023

Information Network Security Administration (INSA) · Addis Ababa

- Monitored network traffic with IDS tooling and helped senior officers analyse phishing, malware and social-engineering incidents.
- Prepared security assessment reports that fed the team's risk-management work.

Junior Front-End Developer
Jul 2021 – Dec 2021

Hurricane Support · Addis Ababa

- Built and debugged responsive web interfaces in an Agile startup team; took part in sprint planning and code reviews.

Network Engineering Intern
Jan 2019 – Jul 2019

Intracom Inc · Addis Ababa

- Configured and maintained routers, switches and firewalls; troubleshot connectivity and set up workstation infrastructure.

EDUCATION

B.Sc. Electrical & Computer Engineering
Computer Engineering specialization · Hawassa University
2015 – 2020 · GPA 3.48 / 4.00

Software Engineering Programme
ALX Africa (Holberton curriculum)
2021 – 2022

Modern Web Development (React, Node.js)
Skill Surge Academy, Addis Ababa
2024

HACKATHONS

- **Top 10** — ContraClear, OTC stablecoin swap on Solana (team)
- **Top 10** — Fayda Hackathon, stablecoin wallet & CBDC dashboard
- **Demoed** — Savelo at ETHGlobal Buenos Aires

CERTIFICATIONS

- AI & Machine Learning — GDG, NERD Academy & U.S. Embassy
- Robotics — GDG, NERD Academy & U.S. Embassy
- CCNA 1 — Hawassa University
- Graphics & Web Design — Gobeze PLC
- Capstone recognition, Agricultural Drone — Hawassa University
- Recognition for project completion — Hawassa University

LANGUAGES

Amharic	Native
English	Professional

ALSO COMFORTABLE WITH

Arduino · IoT sensors · Flutter / Dart · jQuery · EJS · Fabric · Nginx · Figma · Postman · Webpack

SELECTED PROJECTS

ContraClear — Top 10 · Hackathon
contraclear.fairway.global

Peer-to-peer OTC stablecoin swap on Solana, built at Fairway for institutional DeFi: counterparties trade stablecoins directly without going through a liquidity pool. Team project.

Stack: Solana, TypeScript, Next.js

Savelo — ETHGlobal Buenos Aires
ethglobal.com/showcase/savelo

Habit-based savings dApp on Celo, delivered as a Farcaster mini app. Savers commit to a daily amount and lock a penalty stake. Missed days are penalised, finishers earn a completion bonus plus a share of the pool, and streaks and leaderboards keep people going.

Stack: Solidity, Hardhat, Celo, Next.js 14, TypeScript, Wagmi v2, Farcaster Mini App SDK, Turborepo, Vercel

Stablecoin Wallet & CBDC Dashboard — Top 10 · Fayda Hackathon

A digital-money prototype with two parts: a stablecoin wallet for end users and a CBDC dashboard for the issuing authority. Selected as one of the top 10 projects at the Fayda Hackathon.

Stack: Solidity smart contracts, TypeScript, React / Next.js

Fairway ID Wallet
github.com/fairway-global/fairway-id-wallet

Open-source, mobile-first SSI wallet for holding and sharing verifiable credentials, integration-ready with Ethiopia's Fayda national ID. Credentials stay encrypted on the device; exchange runs peer-to-peer over DIDComm v2.

Stack: Next.js 14, TypeScript, Hyperledger Identus Edge Agent SDK, RxDB / IndexedDB (encrypted), Zustand, Jotai, Tailwind, Docker

SSI Issuer / Verifier Portal
github.com/fairway-global/...-dashboard

Operator dashboard where organisations set up proof requests and trusted issuers, present a QR code, and see whether a holder's presentation passed, failed or partially matched.

Stack: Next.js 15, React 19, TypeScript, Prisma, PostgreSQL, NextAuth, Tailwind 4

Fayda Identity Integration
github.com/fairway-global/Fairway_Fayda_Backend

Backend service connecting Fairway's verification flows to the Fayda national-ID provider through OAuth 2.0 / OIDC, with token exchange, user-info retrieval and signed-JWT handling.

Stack: Node.js, Express 5, jose, Helmet, express-rate-limit, envalid

VideoBet
videobet.et

Free streaming platform for English and Amharic films and series, now also carrying live football, built for viewers who can't pay for Netflix-style subscriptions. No sign-up required.

Stack: Node.js, Express, EJS, JavaScript

AirBnB Clone (full-stack)
github.com/Abrish-b/AirBnB_clone_v4

End-to-end web app with a command interpreter, MySQL storage through SQLAlchemy, a Flask REST API and a jQuery front-end, deployed to Nginx with Fabric.

Stack: Python, Flask, SQLAlchemy, MySQL, jQuery, Fabric, Nginx, unittest

EARLIER WORK & GITHUB

An agricultural drone monitoring system (university capstone: custom sensor payloads plus an API and web dashboard); a video and text chat app; an Interactive CV Builder (ALX graduation project); a UNIX shell written in C (simple_shell); and C, Python, DevOps and React/Redux coursework: **github.com/Abrish-b**