Toufiqur R. Chowdhury

Email: htr.letun@gmail.com
Location: Antalya, Turkiye | **Phone:** +905355086931
linkedin.com/in/toufiq | github.com/alien45

Summary

Full-stack developer with 8+ years of experience building scalable web apps, developer tools, and decentralized platforms. Led full frontend and backend development at Totem Live Accounting, designing robust off-chain architecture and modular systems. Adaptable engineer who rapidly learns new ecosystems, from Python and Golang to AngularJS and Polkadot, and delivers production-ready features fast.

Education

BEng Software Engineering (First Class with Honours)

University of Greenwich, London, UK (2011–2014)

Final Year Project (Indoor Positioning via WiFi Fingerprinting): Designed and built a proof-of-concept Android app for WiFi fingerprinting and real-time indoor location tracking using signal strength, triangulation, and basic ML via SDKs.

Experience

Nextion, US - Full Stack Developer (Remote)

Feb 2025 – Present

Tech: React, TypeScript, Zod, Vite, Tanstack Table, React Hook Form, Python, FastAPI, Postgres, Redis

- Developed a trade approval, re-/execution, and monitoring UI with batch order queuing, powered by Redis-based quant engine and IB gateway
- Fast-tracked Python with AI to ship FastAPI backend using Docker & Postgres
- Enabled analytics by exposing backend metrics, execution states, and historical portfolio snapshots
- Wrote an interactive shell script to set up Postgres with reusable, idempotent schema and automated entry of audit logs using Postgres triggers

Totem Live Accounting, CH - Co-founder & Lead Developer (Remote)

Mar 2019 – Mar 2024

Tech: JavaScript, React, Node.js, CouchDB, Polkadot.js, WebSockets, Semantic UI React, Material UI, TweetNaCl.js

Core Contributions:

- Sole developer of the entire frontend & off-chain Node.js backend
- In-app Blockchain wallet, partner & team management and timekeeping & financial statement viewer

- Marketplace with proposal submission & approval with automated payouts
- Streamlined user onboarding flow with signup, faucet, backup & diff-aware selective restore system and in-app notifications & chat
- Engineered a sequential & resumable on/off-chain transaction queue with history UI for debugging and transparency
- Co-designed and implemented **BONSAI**, an innovative dual on/off-chain proof system using hash anchoring and token-based verification.
- Launched the Crowdloan & Pledge DApp, raising $1+M in the Polkadot Parachain auction and $83.6K in the pledge round
- Secured & encrypted inter-microservice communication with TweetNaCl.js
- Authored cross-stack library `common-utils` with Reactive hooks, components, JSON storage & CouchDB helper and form + API data validation library
- Automated CI with GitLab webhooks and custom scripts for source-committed builds and improved release traceability
- Coded and deployed Totem Live Accounting homepage from design specs
- Architected semi-automated tooling for multilingual support for API & frontend

Community Contributions:

- Boosted user retention, social engagement & bug discovery through gamified rewards engine and responsive onboarding
- Launched and ran the Totem Ambassador Program
- Led multilingual Telegram and Twitter engagement, doubling community engagement and improving support across 6+ language groups
- Provided user support by in-app chat, socials and feature walk-throughs

Demo Of My Work: Totem.Live DApp | Crowdloan DApp | Polkadot Decoded
Podcasts: Totem Tech Talks | RelayChain | Parity & Friends
Open Source: Totem UI, Message Service, Common Utils and others

Omniscape, US - Tokenization Developer (Remote)

May 2021 – Jan 2022

- Built the tokenization engine for virtual real estate assets
- Integrated Stripe and Web3 payment flows
- Worked on the Virtual Real Estate Map application, a SPA frontend in React + Redux and NodeJS backend, deployed on Firebase
- Created NodeJS microservice for automation of tokenization transactions using queuing mechanism and singleton pattern
- Discovered and fixed major security flaws left by ex-dev
- Engineered a NodeJS microservice for queueing & automation of Web3 payment transactions and randomization of rewards for campaign events

Open Source Work & Other Activities

2017 – 2019

- Halo Info Bot: Discord chatbot in Go for the Halo Platform blockchain and masternode/DEX data
- HaloDEX Chart Feed: Real-time TradingView charting data server in Go

- **Cloud Connector**: Tool for syncing data across AWS S3, GCP, and Azure
- Wrote a PhD research proposal (PDF) on security vulnerability detection in blockchain-based systems (unfunded)
- Ran a small GPU-based home crypto mining operation during the early Ethereum days

The Summit Group, Melbourne, AU - Full Stack Developer

Apr 2016 – Apr 2017

- WHMCS payment integration via Ezidebit API
- SPA admin dashboard for customer billing and invoicing system using AngularJS, deployed with Docker
- Backend API & microservices using Go, MySQL & RabbitMQ
- Programmed automation tools in Go for parsing, formatting and storing telecom provider billing data
- Co-interviewed, helped onboard and mentored an intern

Web123 Pty Ltd, Melbourne, AU - Full Stack Developer

Jul 2015 – Mar 2016

- Worked with the tech lead on **Foxley CMS**, building backend APIs, unit tests (C#/.NET), and UI in AngularJS
- Turned designs into working responsive websites

Certifications

- **Apps for Good** (2012) - MVP development, team leadership, and final presentation at Facebook London HQ. Sponsored by Facebook & others.
- **Red Hat Certified Engineer - RHCE** (2009) - 91.2% test score

Technical Skills

Languages: JavaScript, TypeScript, Python, Go, C#, PHP
Frontend: React, Tanstack Table, React Hook Form, AngularJS, Redux, Semantic UI React, Material UI, Tailwind, HTML, CSS, Bootstrap
Backend: Node.js, FastAPI, Express.js, Golang, Redis, Postgres, CouchDB, TweetNaCl.js
Blockchain: Polkadot/Substrate, Web3.js, Polkadot.js, NFT, DApps
Tools: Vite, Docker, Firebase, WebSockets, RxJS, Git, GulpJS, RabbitMQ
Other: REST APIs, Webhooks, Microservices, MVP prototyping, Agile

Additional Info

Languages: English (Fluent) | Bangla (Native)
References: Available on request. See employer recommendations on LinkedIn.