


# Toufiqur R. Chowdhury

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## SUMMARY

Full-stack developer with **8+ years** of experience building robust web apps, tools, and decentralized platforms.

Led the design and development of both frontend and backend systems, primarily in React, Node.js, and Web3 tech.

Co-founder of Totem Live Accounting, where I handled full off-chain architecture and implementation.

Adaptable engineer who quickly picks up new tools and ecosystems — from Python and Golang to modern frontend stacks like AngularJS and React — and delivers production-ready results.

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## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, Go, C#, PHP

**Frontend:** React, AngularJS, Redux, Semantic UI React, Material UI, Tailwind, HTML/CSS, Bootstrap

**Backend:** Node.js, FastAPI, Express.js, Golang, Redis, Postgres, CouchDB

**Blockchain:** Polkadot/Substrate, Web3.js, Polkadot.js, NFT, BONSAI verification, DApps

**Tools:** Docker, Firebase, WebSockets, RxJS, Git, GulpJS, RabbitMQ

**Other:** REST APIs, Webhooks, Microservices, MVP prototyping, Agile

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## EXPERIENCE

### Nextion (Remote, US) — Full Stack Developer

**Feb 2025 - Present**

Tech: React, TypeScript, Zod, Python, FastAPI, Redis, Postgres

- Developed a trade approval, execution and monitoring UI integrated with Redis-based quant order system

- Extended and completed backend APIs in Python using FastAPI
  - Learned Python on the job to contribute across full-stack
  - Role currently on hold — open to exciting new opportunities.
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## **Totem Live Accounting (Remote, Switzerland) — Co-founder & Lead Developer**

**Mar 2019 - Mar 2024**

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

**Core Contributions:** - Sole developer for entire frontend & off-chain backend system - Built full SPA with modules like: - In-app wallet, partner management, tasks, activities, timekeeping - Marketplace with task bidding & automated payouts - Rewards engine with social + feature usage incentives - In-app chat (user-to-user, group, Discord-bridged support) - Getting Started flow with faucet, backup/restore logic - Financial statement viewer built on enterprise-grade accounting engine - Developed custom queue system for sequential on/off-chain operations with resumability - Designed BONSAI (Blockchainization of NoSQL Storage Authorization & Identification): a dual on-chain/off-chain proof system using hash anchoring and token verification - Built faucet microservice and Kapex Polkadot Crowdloan DApp - Developed reusable component libraries ( `common-utils` ): RxJS hooks ( `useRxSubject` , etc), validation, data tables, printing, reactive storage

**Community Contributions:** - Managed Telegram and Twitter in multiple languages (using translators) - Created and ran the Totem Ambassador Program - Provided user support, authored onboarding documentation, and led feature walk-throughs



[Watch product tutorial video](#)

**Open Source:** - [Totem UI](#)  
- [Totem Message Service](#)

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## **Omniscope (Remote, US) — Tokenization Developer**

**May 2021 - Jan 2022**

- Built the tokenization engine for virtual real estate assets  
- Worked with Stripe and integrated 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 - Built a NodeJS microservice for queueing & automation of Web3 payment transactions and randomization of rewards for campaign events.

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## Freelance & Open Source Developer

2017 - Present

- Developed [Halo Info Bot](#) (AKA Halo Butler), a Discord command based chatbot, in Go for Halo Platform Blockchain, masternode and DEX -
  - Developed [HaloDEX data feed server](#) for TradingView charting library in Go -
  - Developed [Cloud Connector](#) for connecting to MS Azure, GCP and AWS S3 buckets
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## 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 built with AngularJS, deployed with Docker
  - Backend API & microservices built in Go, MySQL & RabbitMQ - Created automation tools in Go for parsing, formatting and storing telecom provider billing data
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## Web123 Pty Ltd (Melbourne, AU) — Full Stack Developer

**Jul 2015 - Mar 2016**

- Worked on Foxley, a WYSIWYG CMS, with C#/.NET & AngularJS
  - Backend API, schema work and unit testing - Turned designs into working responsive websites
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## Easyweb Digital (Melbourne, AU) — Systems Developer

**Sep - Dec 2014**

- Backbone.js component development
  - UI/UX components using Bootstrap and Underscore
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## EDUCATION

**BEng Software Engineering (First Class Hons)**

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

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## CERTIFICATIONS

- **Red Hat Certified Engineer (RHCE)** — 91.2% test score

- **Apps for Good** – Entrepreneurship, Facebook Apps development, MVP project & presentation at Facebook London Office
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## LANGUAGES

- English: Fluent
  - Bangla: Native
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## REFERENCES

Available on request

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