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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. As co-founder of Totem Live Accounting, handled the full off-chain architecture and implementation. An 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.

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

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.

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
- Built reusable component library `common-utils`: Reactive hooks, components, DataTable, FormBuilder, JSON/LocalStorage helper etc using RxJS, CouchDB helper class, data validation library
- Developed the [Totem Live Accounting](#) homepage

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

Demo/Tutorial: [Totem.Live DApp](#) | [Crowndload DApp](#) | [Accounting Demo](#)

Open Source: [Totem UI](#), [Message Service](#), [Common Utils](#) and [other repos](#)

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.

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

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

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

Easyweb Digital (Melbourne, AU) — Systems Developer

Sep - Dec 2014

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

EDUCATION

BEng Software Engineering (First Class Hons)

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

CERTIFICATIONS

- **Red Hat Certified Engineer (RHCE)** — 91.2% test score
- **Apps for Good** – Entrepreneurship, Facebook Apps development, MVP project & presentation at Facebook London Office

LANGUAGES

English: Fluent | **Bangla:** Native

REFERENCES

Available on request

 Latest version: https://alien45.github.io/cv/Toufiquir_Chowdhury_CV.pdf
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