Edmond Tam Han Wen

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Summary: Software engineer with a strong background developing technology solutions for fintech companies. Experienced in deploying high-frequency trading bots on crypto exchanges and DeFi protocols, optimising algorithms to improve expected return – notably increasing expected annual yield by 4% – and building high-volume data pipelines. Skilled in crafting user-friendly interfaces and managing complex data workflows, I thrive in collaborative environments, working with stakeholders to align technical solutions with business objectives. Seeking a role in a fintech firm that values technology and data-driven decision-making.

WORK EXPERIENCE

Edgy Software Limited — London, United Kingdom
Project-based contractor in Full-Stack and Web3 Engineering
Director, Full-Stack Web3 Engineer — November 2022 – present
- **Altitude Labs**: developed a real-time blockchain monitoring system using The Graph, created a GraphQL client to subscribe to blockchain events, and expanded the admin dashboard to interact with contracts using React, ethers.js, and Hardhat
- **Carmenta Collective**: optimised the user journey for Carmenta's personal messaging service on platforms like WhatsApp and Telegram, streamlining the rules management process and reducing user setup time by 30%. Integrated an AI feature to enable intuitive user command responses for setting adjustments, enhancing user interactivity and convenience
- **Grand Cloud**: developed Go API service for user/resource management on AWS, improved data fetching speed by 40% via pagination/caching, and implemented DevOps tooling (including CI/CD, staging environment, OpenAPI)
- Developed comprehensive React dashboards to display data and facilitate key functionality on these projects. These include real-time data displays, reusable components like data tables, and user interfaces for managing user or crypto wallet actions

HeartRithm — London, United Kingdom
Social impact-centred cryptocurrency hedge fund focused on blockchain lending
Full-Stack Web3 and Quantitative Engineer — November 2021 – November 2022
- Optimised infrastructure for a trading bot on centralised exchanges, adding features like automated portfolio optimisation via CVXPY/Pandas, decentralised position managers, and live accounting tools, increasing expected yield from 16% to 20%
- Designed deposits/withdrawals, flow of funds, Chainlink oracle, and Solidity bridge for our Ethereum decentralised fund
- Extended Python lending strategy to KuCoin, built Google Sheets integration for reporting, and optimised lending algorithm
- Drove improvements to our decision-making process using behavioural economics, leading to higher team productivity

HUMAN Security — London, United Kingdom
Cybersecurity company protecting enterprises from bot attacks to keep the internet human
Software Engineer — November 2020 – November 2021
- Designed and built Python CI/CD tool for DB migrations on Snowflake, improving development reliability and speed
- Implemented a Node.js SDK that consolidated HUMAN bot mitigation logic across multiple cloud platforms and CDNs
- Maintained Go and Datadog streaming pipeline of 300,000 transformations/day at 99.9% SLA by adding tests and fixes

Teneo Management Consulting — London, United Kingdom
Market-leading strategy consultancy division of a global CEO-advisory firm
Strategy Consultant — January 2017 – May 2019
- Operationalised pricing for a healthcare provider to increase a product's margin from -218% to -23% in a year (£3m profit)
- Worked with Citrix to redesign their sales renewal team to improve customer retention, engagement and satisfaction
- Designed and implemented VBA macros to help a transport company navigate an operational crisis

Tablo LLC — Cambridge, United Kingdom
iOS app that calculates user body measurements using their photos
Co-founder, Fundraising & Marketing — April 2013 – May 2015
- Responsible for fundraising, operations, and marketing of Tablo; pitched at the final round of the Founder.org competition
- Provided user and investor insight into the prototype, architecture, and features of Tablo's iOS app

OPEN SOURCE

eras — London, United Kingdom
Open-source platform for AI-generated goal-setting and follow-through – see https://github.com/goal-gpt
Co-founder, Software Engineer — January 2023 – September 2023
- Led team of 2 (software engineer and UX designer) to identify problem space, conduct user tests, and prioritise high-value UX assumption tests using the Build-Measure-Learn framework; accepted to Berlin Startup School (top 5% of proposals)
- Deployed AI chatbot and app using TypeScript, OpenAI, NextJS, React, Tailwind, Netlify, Supabase, and PostgreSQL

Jade London, United Kingdom
Open-source framework for deploying JAMstack applications - see https://jadeframework.dev
Co-founder, Software Engineer April 2020 – November 2020
- Led team of 2 (software engineers) to automate JAMstack deployments using AWS services (EC2, S3, Lambda, CloudFront)
- Developed instant CDN cache invalidation system using AWS Lambdas and S3 events
- Deployed responsive Jade dashboard using React, Material-UI, and Express for users to view historical builds and app info

EDUCATION

Cambridge University 2013 – 2016
Bachelor of Arts (Honours) in Economics – high 2.1
- Recipient of the Santander Scholarship to study web development and global protest movements at UC Berkeley in 2014
- Specialised in econometrics to assess, in a dissertation, how migrant policy affected Singapore's income distribution
- Represented Cambridge at Harvard Model United Nations Conference 2014 and won the Diplomacy Award

Anglo-Chinese School (Independent) 2005 – 2010
International Baccalaureate: 43/45 (98th percentile globally), including Higher Level Math, Economics and History (7)
- Singapore National Team Sailor (2004 – 2008) and School Team Captain (2007 – 2008); national champions in 2006, 2008

SKILLS

- Languages/frameworks: TypeScript, React, Next.js, Node.js, Python, Django, Solidity, ethers.js, brownie, SQL, MongoDB
- Cloud: Supabase, Infura, AWS (ECS, EC2, Lambda, S3, DynamoDB, CloudFront), GCP, Docker, Cloudflare Workers
- Web: OpenAI, HTTP, REST, APIs, Git / GitHub, MVC, Functions as a Service, software architecture, HTML, CSS