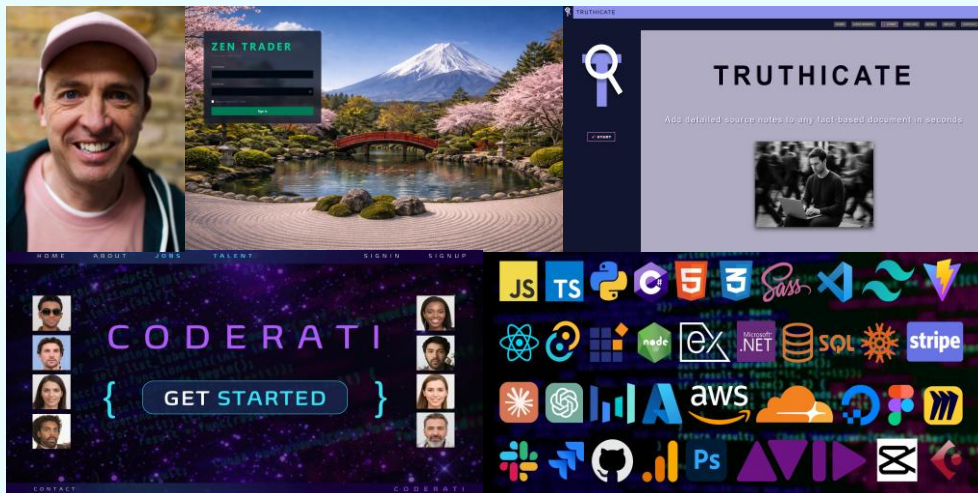




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+44 7771 657 515

# MIKE MCDOWALL

## SOFTWARE DEVELOPER

### EXPERIENCE

#### Full Stack Software Developer | Freelance

OCT 2023 - PRESENT, LONDON, UK

- Building innovative new software applications for industries including Media Production, Journalism, Travel, Recruitment, and Finance.
- Latest app: Zen Trader – a fintech application that manages several private stock portfolios. See [PROJECTS](#) for details.

#### TV Series Producer | Pile Up | Blink Productions for Channel Four

2022 - 2024, LONDON, UK

- Ran a large team that produced 'Pile Up' - a blue-chip science TV show for Channel Four in the UK, and Nova in the US. It's a hugely ambitious project involving one of the biggest motoring experiments ever attempted for television. Check out this and other TV work here: [MM Series Producer](#)

#### TV Series Producer | Various

2000 - 2022, INTERNATIONAL

- 20+ years' experience at overseeing end-to-end delivery of prime-time factual television. Known for devising the visual and editorial identities of numerous successful TV 'brands' including Nat Geo's highest rating shows.
- Very experienced at managing teams, directing shoots, scripting, editing, and liaising with commissioning stakeholders.
- Highlights: *Richard Hammond's Big for Discovery*, *Superstructures* for Nat Geo, *The Planes that Built Britain* for Channel 5, *Ronaldo – Tested to the Limit* for Sky, *Stephen Hawking's Brave New World* for Discovery and Channel 4.

### PROFILE

I added software engineering to my skill set after spending many years as a successful TV producer.

With an exceptionally wide-ranging knowledge base, including full stack coding and UX Design, plus top-level communication skills refined in the high-pressure world of fast turnaround television production, I'm keen to put all my attributes to the most productive use.

I'm a highly driven and committed team player with proven problem solving and leadership ability.

### TECH SKILLS

JAVASCRIPT, TYPESCRIPT, PYTHON, C#, HTML, CSS, SCSS, VITE, TAILWIND, TAURI, RECHARTS, SYNCFUSION, NODE, EXPRESS, .NET, MYSQL, KNEX, JWT AUTH, AZURE, AWS, CLOUDFLARE, DIGITAL OCEAN, STRIPE, ANTHROPIC, OPEN AI, SEEDANCE, DREAMINA, FIGMA, MIRO, GOOGLE ANALYTICS, SLACK, JIRA, AGILE, GITHUB, AVID MEDIA COMPOSER, CAPCUT, PHOTOSHOP, SONY HD VIDEO CAMERAS

## EDUCATION

### BrainStation | Software Engineering Diploma & UX Design Certificate

2023- 2024, LONDON, UK

- An intense bootcamp in Software Engineering, followed by a short course in UX Design.
- Result: Part of the team who won a 24hr hackathon to reimagine Deliveroo's drive into gifting. **Software Engineering final project grade: 90%.**

### Sheffield University | BA (hons) Media

1983 - 1986, SHEFFIELD, UK.

- 3-year degree course focused on Film, Television, and Photography.
- Result: **First class Honours.**

## AMBITIONS

My immediate aim is to build experience in an enthusiastic software development team who build innovative applications that make a difference.

Ultimately, I'm planning to launch a start up to develop and deploy more of the many ideas I have for media, subscription, and SAAS applications.

## ARTIFICIAL INTELLIGENCE

“The AI revolution is radically transforming the way we work, massively expanding what it's possible to achieve. We all have a choice: surf the wave or drown in it. I'm super excited by a future that makes the most of the benefits that Large Language Models promise.

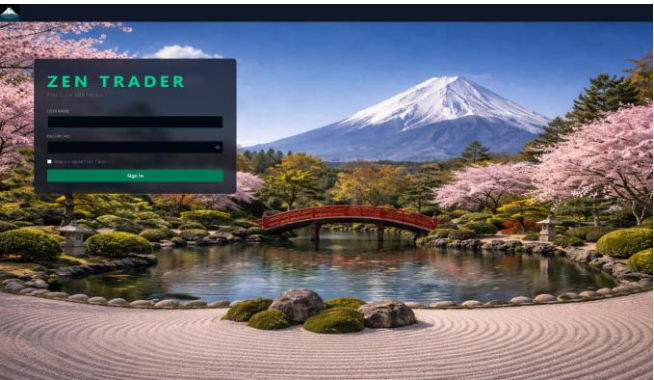
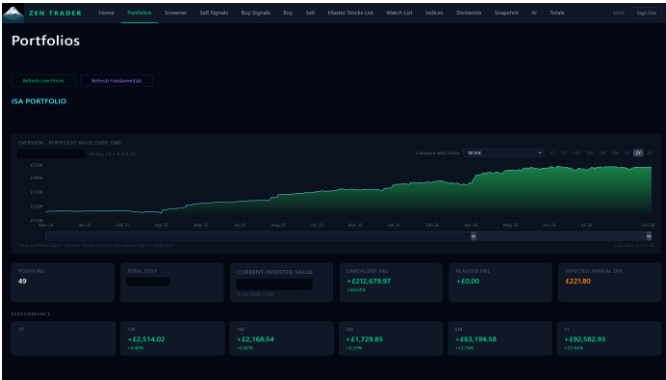
- Whether it's for building code, integrating AI into an app's core features, or working with agents, I'm adept at using the latest models, and I'm constantly exploring new developments.
- **If my unique experience can help you accomplish your goals, please don't hesitate to reach out.**

”

## PROJECTS

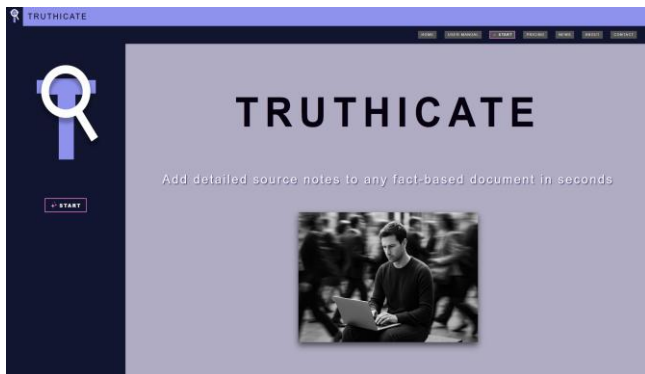
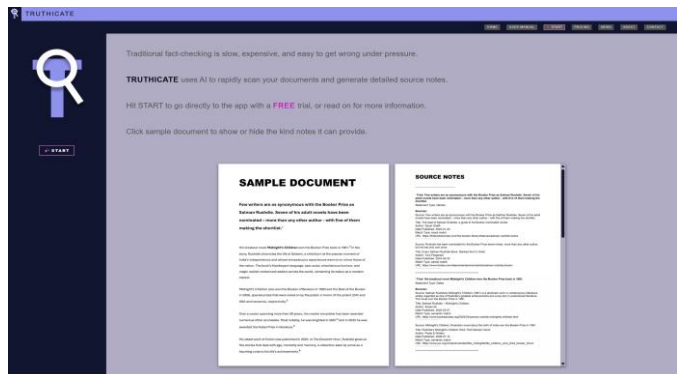
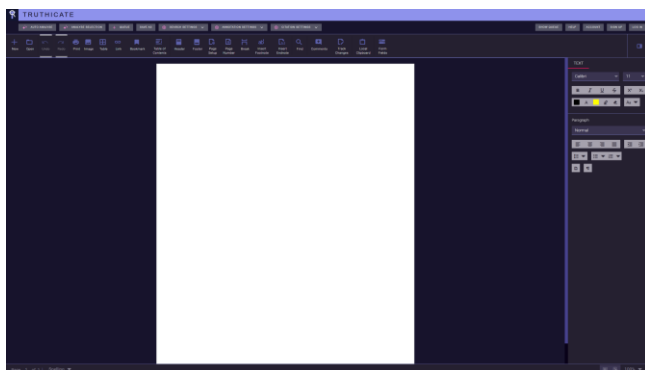
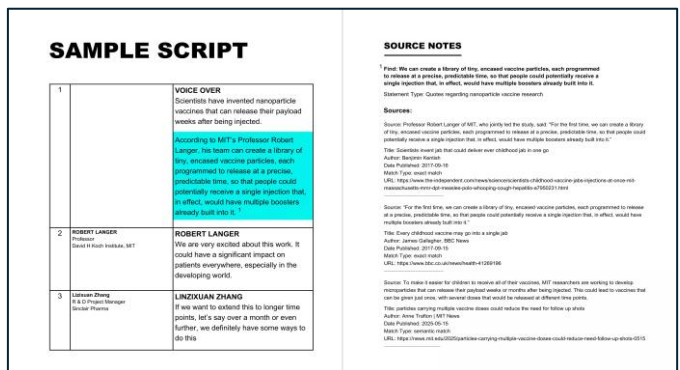
### ZEN TRADER | 2026

- A full stack fintech app that manages several private stock portfolios. Zen Trader uses AI to run bespoke stock screeners, calculate dividends, analyse financial health, produce detailed projections, evaluate risk, and generate trading signals. It features a customisable dashboard, interactive graphs, live comparison plotting against international indices, an AI financial chat page, and automated buy/sell functions.
- Tech stack: React, Tailwind, Vite, Recharts, HTML, Node.js, Express, JavaScript, Typescript, MySQL, Exceljs, Claude Opus and Sonnet, JWT, Zod, EODHD, Trading 212.
- Currently in live beta testing. Please call if you'd like to see a demo.



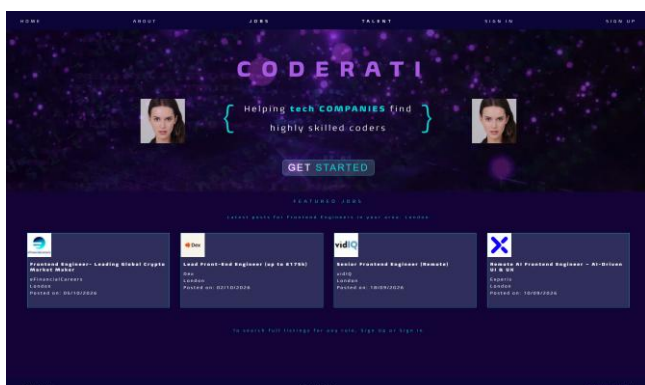
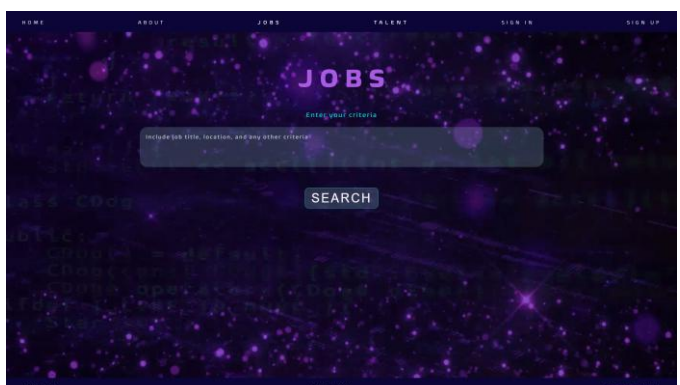
## TRUTHICATE | 2025

- A full stack web application that uses AI to fact-check any document and automatically annotate it with source notes in the user's choice of citation format. Designed for TV producers and researchers, journalists, bloggers, students, plus anyone who puts factual information into the public domain, Truthicate is a unique, customisable app that saves subscribers considerable time and money. Originally deployed on AWS, it's now migrated to Azure (front end) and Digital Ocean (back-end.)
- Tech stack: .NET, Azure, React, Tauri, Vite, Tailwind, HTML, JavaScript, Python, C#, Node.js, Azure, Digital Ocean, JWT, Stripe, Syncfusion, Claude Opus and Sonnet.
- Check out the landing page from where the fully functioning live app can be accessed: [truthicate.co.uk](https://truthicate.co.uk).



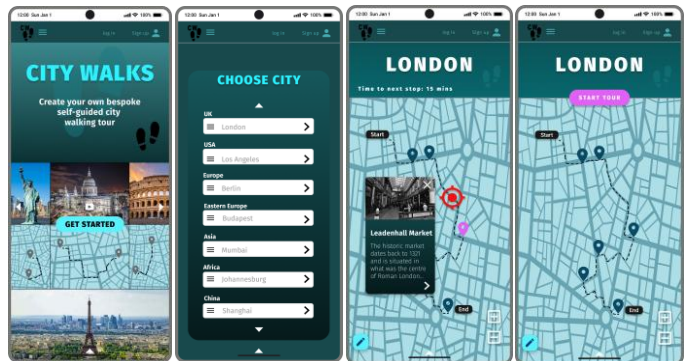
## CODERATI | 2024

- BrainStation capstone project – a full stack web application that connects job-seeking coders with recruiters looking to hire their talents and skills. It collates live tech job posts from all over the internet, presents them in one convenient place, offers direct links to application pages, and features a database of coders that employers can search. Built from scratch in two weeks.
- Tech stack: React, Node.js, Express, Knex, JWT, HTML, SCSS, Syncfusion.
- Check out the live app at: [coderati.co.uk](https://coderati.co.uk)



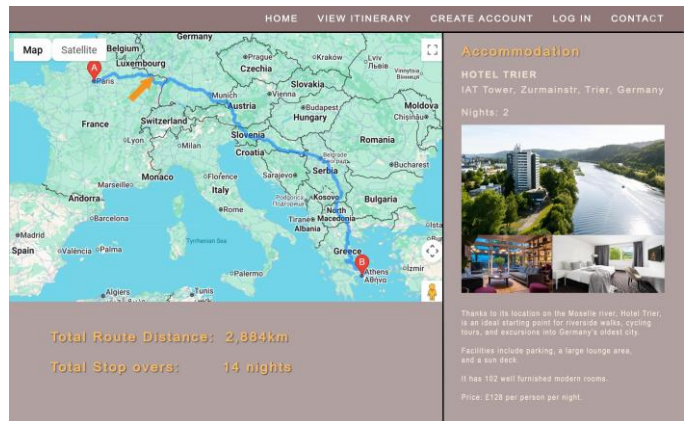
## City Walks | 2024

- UX Design project – a fully researched proposal for a mobile app to create bespoke city walking tours. The deck includes user interviews, information architecture, user flow, sketches, wireframes, and an interactive Figma prototype.
- Tech stack: Figma, Miro, Photoshop.
- Check out the presentation at: [City Walks](#)



## Road Trip Planner | Work in Progress

- A full stack JavaScript web app that automatically creates bespoke road trip itineraries for travelers. It generates routes and finds accommodation options.
- Tech stack: JavaScript, HTML, CSS, Google Maps API.



For full portfolio, check out this link: [mike-mcdowall.co.uk](http://mike-mcdowall.co.uk)