

Haithem Haraga

Full Stack Software Engineer

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with commercial experience shipping production applications in a regulated (pharmaceutical) sector, backed by a Russell Group BEng in Chemical Engineering and seven years founding and running a technical services business. Specialised in Python, JavaScript/TypeScript, React and SQL, with hands-on DevOps across Docker, CI/CD and AWS. A pragmatic, fast-learning engineer who pairs rigorous analytical problem-solving with a founder's sense of ownership on every team.

CORE TECHNICAL SKILLS

Languages	Python, JavaScript (ES6+), TypeScript, C#, Go
Frontend	React, Vue.js, HTML5, CSS3, Tailwind CSS, Responsive Design
Backend & APIs	Node.js (Express), Django, RESTful API Design, Microservices
Databases	PostgreSQL, MySQL, MongoDB, Relational Design, ORMs
Cloud & DevOps	AWS, Docker, Git, GitHub Actions (CI/CD), Linux CLI
Practices	Agile (Scrum/Kanban), Test-Driven Development, Code Review

PROFESSIONAL EXPERIENCE

Junior Software Developer — Tawiq Scientific Pharmaceuticals

Oct 2024 – Nov 2025

- Engineered and deployed full-stack web applications and bespoke data models in Python and modern JavaScript, streamlining workflows for scientific teams in a regulated environment.
- Designed relational database schemas and built secure RESTful APIs enabling reliable data flow between frontend interfaces and backend systems.
- Delivered within a strict Agile process — Git version control, pull-request workflows and rigorous peer code review.
- Acted as the technical bridge, translating complex scientific requirements into clear, shippable software features.

Founder & Technical Operations Lead — Falcone Eye Computer Repair

2017 – Oct 2024

- Founded and profitably ran an independent technical services business for seven years, owning everything from operations and finance to client delivery.
- Diagnosed and resolved complex hardware, software and networking faults for hundreds of clients, developing exceptional root-cause analysis skills.
- Translated highly technical issues into clear, actionable advice for non-technical stakeholders, earning strong repeat custom.

KEY PROJECTS

Interactive Portfolio & Browser Game Arcade — haithemharaga.com (live)

- Designed and shipped a polished portfolio featuring **12 games built from scratch** in vanilla JavaScript and the HTML5 Canvas API — Snake, 2048, Tetris, Minesweeper, an unbeatable minimax Tic-Tac-Toe and more — with local high-score persistence.
- Engineered for performance and discoverability: Open Graph/Twitter cards, JSON-LD structured data, sitemap and an installable PWA manifest.
- Deployed on GitHub Pages with a custom domain and Cloudflare DNS/CDN and automatic HTTPS.
- Tech:** JavaScript, HTML5 Canvas, CSS3, Git, GitHub Pages, Cloudflare.

Task Management Platform — Full-Stack SPA

- Built a responsive single-page task manager with JWT authentication, full task CRUD, filtering and analytics dashboards.
- Tech:** React, Node.js, Express, MongoDB, TypeScript.

Microservices Architecture — Cloud & DevOps

- Designed a containerised, distributed backend deployed to AWS through automated CI/CD pipelines to master scalable infrastructure.
- Tech:** Go, Docker, AWS, GitHub Actions.

EDUCATION

University of Manchester (Russell Group) — BEng (Hons) Chemical Engineering, 2:1

A rigorous STEM degree focused on logical systems architecture, complex mathematical modelling and analytical problem-solving.

Northcoders — Software Engineering Bootcamp, Manchester

Intensive training in modern web development, collaborative Git workflows and Test-Driven Development.