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LINKS

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SKILLS

Core Technical:

Python, RAG Architecture, Data Cleaning, Model Evaluation, OOP (Python, PHP), Workflow Automation, Linear Algebra basics.

Tools & Frameworks:

Zapier, Scikit-Learn, LangChain, Ollama (familiar), Tableau, PowerBI (familiar), Trello, Kivy, Bootstrap, Electron, Django, Angular 7.

Software Engineering:

Version control (Git), UI/UX design, problem-solving, debugging, performance optimisation.

Soft Skills:

Collaboration, resilience, structured thinking, agile workflows, communication, adaptation to fast-paced R&D

KEY ACHIEVEMENTS

- Architected a privacy-first local RAG pipeline, leading to roughly a **75-80% time reduction** in searching for files, skimming and/or cross-referencing their contents.
- Built live algorithmic trading bots with integrated risk management, culminating in a **~47% ROI** in year 1.
- **Lead end-to-end delivery** of commercial web products (Online CV Pro, TwoSigmas builds) and complete workflow automations.
- Designed and developed a customer-facing digital signage system, which led the Scotland Branch Manager to advocate for it as the **company's first commercial software product**.
- Company outsourced 18 months of development for a Warehouse Management System which they were unable to produce; however **I delivered the application in 12 months**.
- Progressed through professional football academies, including representing Chelsea at Cobham and training with Peterborough United's first team at 17 years of age.

PERSONAL PROJECTS

RAGdoll, Personal File Assistant

RAG SYSTEM

- Engineered a local RAG (Retrieval-Augmented Generation) pipeline using LangChain and Ollama (Llama 3), enabling privacy-focused, natural language querying of personal document libraries.
- Calculated an estimated 75-80% time reduction in daily data retrieval/content review tasks of my documents: locate, skim, cross-reference, and repeats: ~15mins vs 1 natural-language query, review of summarised content: ~3mins (12 minutes saved / 15 * 100 = 80%.)
- Implemented an automated document ingestion engine with support for PDF OCR (RapidOCR), Word tables (Unstructured), and CSVs, utilizing a "Librarian/Professor" architecture to optimize retrieval speed.
- Developed a real-time "Watchdog" synchronization feature that monitors local directories for file changes, automatically re-indexing the ChromaDB vector store without user intervention.
- Designed a responsive Streamlit interface featuring asynchronous progress tracking and source-attribution, ensuring transparency in AI-generated responses.

Zapier, Automating Workflows

ZAPIER PROJECT

- Built end-to-end workflow automations integrating email triggers, data extraction, document generation/manipulation, and cloud file management to create scalable, low-touch operational pipelines.
- Reduced manual operational effort by replacing repetitive, human-in-the-loop tasks with event-driven pipelines, enabling faster turnaround and consistent outputs.

PROFESSIONAL EXPERIENCE

environments.

LICENSES & CERTIFICATIONS

AI Prompt Engineering

AI Foundations+

ISO/IEC 42001 (Artificial Intelligence Management Systems)

Object Oriented
PHP & MVC

Kanban Fundamentals

Tableau A-Z: Training for Data Science

PROGRAMMING LANGUAGES

Python, MQL4, PHP, JavaScript, TypeScript, HTML5, CSS, jQuery, C++, 4GL (Sage X3 proprietary language), BASIC

REFERENCES

Neal Douglas
Head of UK IT at Netceed
07894960170

Dave Houston
IT Manager at Comtec
07847323181

Keiron Beeby
Secondary School Tutor and Teacher
07709450158

Arone Tech, Cambridgeshire — Owner

JAN 2023 - PRESENT

Arone Tech is an AI-focused software house. Products and internal software engines span algorithmic trading bots, LLM AI chatbots, and Portfolio web development to help people and businesses expand their online presence.

My Roles & Responsibilities:

- Co-founded the company and lead all technical strategy, architecture, and product development across trading, AI, and web platforms.
- Achieved a ~47% ROI in Year 1 through the design and execution of systematic, risk-managed trading strategies.
- Design and build live algorithmic trading bots, including strategy logic, execution, risk management, and market integration.
- Architected and trained a custom LLM and structured data store to accelerate internal development workflows and decision-making.
- Developed Online CV Pro, owning the full stack from frontend UX to backend logic and deployment.
- Built and maintain a scalable product catalogue of portfolio websites, enabling rapid customisation and delivery for client-facing projects.
- Designed the automation architecture for reliability, scale and minimal hands-on requirements, incorporating validation, error handling, and modular components to support evolving business workflows.

OppWorks, Cambridgeshire — AI Bootcamp

SEP 2025 - PRESENT

An AI Bootcamp covering prompt engineering, AI in Business, Microsoft Copilot, Zapier, AI Foundations, and Ethical AI & Governance.

My Roles & Responsibilities:

- Developing hands-on skills in machine learning workflows, including data preprocessing, training pipelines, evaluation, and ethical AI considerations.
- Practical experience building prototypes using Python, Vertex AI, and training LLMs.
- Gaining exposure to Prompt Engineering, Computer Vision, statistical methods, and designing AI-enhanced user experiences.
- Obtained ISO/IEC 42001, and AICerts certifications (AI Foundations+, and AI Prompt Engineering), demonstrating competence in responsible AI system development, with foundational knowledge of Artificial Intelligence.

Netceed (previously Comtec), Cambridgeshire — Software Developer

APR 2019 - FEB 2025

A global telecom and data-center infrastructure business, with a small UK IT team covering 150+ employees across the UK sites. Whilst Netceed provides data-center, broadband, and IT infrastructure solutions, the IT team also has to design and develop a multitude of in-house systems/programs.

My Roles & Responsibilities:

- Designed and implemented multiple internal CRM tools, including new interactive fields and custom pages within Sage X3 and D365, improving workflow efficiency and system usability.
- Led two major projects end-to-end, owning technology selection, programming language choice, UI/UX design, and on-time delivery within defined deadlines:
 - Digital POD Signage (10 month project): Developed a customer-facing signing tool for trade counter use, designed for intuitive interaction and ease of use - built with Electron, and a web development technical stack.

- WMS Android App (12 month project): Built with Python/Kivy, developed a functional warehouse scanning UI, enabling users to book stock in/out, move stock locations, update stock levels, view imagery, etc.
- Database maintenance (D360, Sage X3) and supporting integrations between front-end and back-end systems.
- Played a key role in successfully delivering the first ERP migration across the Group's global portfolio, acting as the pilot implementation to identify risks, document pain points, and inform the rollout strategy for subsequent regions through API development, managing user issues, testing, and hands-on user training.
- Built Tableau reports integrating data from multiple sources, applying calculated fields and filters to deliver clear, actionable insights for business users.
- Facilitated the transition from Tableau to Power BI, supporting the rollout with personalised one-to-one training for early adopters.
- Delivered end-to-end IT support across the business, including Active Directory administration, office IT infrastructure maintenance, and rapid incident resolution. Documented fixes and procedures in the IT knowledge base to improve first-time fix rates and overall support efficiency.

TwoSigmas, Cambridge — *Junior Front-End Developer*

JUL 2018 - APR 2019

TwoSigmas was a tech startup in Cambridge facilitating ESL teachers and schools in Asia, providing a platform for them to meet, interview, and onboard one another. Despite thoroughly enjoying my time here, at the turn of the year in 2019, we were informed the company would not be able to guarantee salary payments beyond May, so I unfortunately decided to leave my role.

My Roles & Responsibilities:

- Develop front-end web pages collaborating on design features with our external design team using Figma for a growing tech startup working closely with a team of Master's degree and PhD graduates.
- Gained early exposure to full stack projects, handling both UI development and live database integration (working with both Django and Angular.)
- Actively participated in daily standups and Agile workflows.
- Trusted with UX/UI implementation decisions and database manipulation for systems used by thousands of users.

C.T.D.I, Huntingdon — *1st Line Technical Support*

OCT 2016 - JUN 2018

C.T.D.I is a telecommunications services & third-party technical support company for various brands such as LG.

My Roles & Responsibilities:

- Provided first-line technical support, troubleshooting hardware and software issues for end users over the phone, and through email responses.
- Logged, tracked, and maintained support tickets - escalating complex issues to higher management where required.
- Contributed to internal documentation to improve resolution times and knowledge sharing.

EDUCATION

University of Lincoln — Computer Science

SEP 2013 - MAY 2016 (*Lower second-class honours degree - 2:2*)

Emphasis on Human-Computer Interaction, Software Engineering, and Image Processing, building a strong foundation in UI/UX and design principles.

St Peter's School — A Level's & GCSE's

SEP 2007 - JUN 2013 (*3 A Level's & 10 GCSE's including Maths, English & Science*)

Obtained my A Levels in IT, Business Studies, and Sports Studies, whilst also obtaining 10 GCSE's including A's in IT, English Literature, Sports Studies, and Geography.

SPORTS & INTERESTS

Football Career — Academies, Scholarships, and Semi-Pro

From a young age football was always a passion, ultimately leading me to play for clubs like Peterborough United, Southend United, Cambridge United, Rushden & Diamonds, and a trial with my boyhood club, Chelsea. A couple highlights of my playing career was playing a match and representing Chelsea at Cobham when I was 14, and training with the first team at Peterborough United whilst playing for the u21s at 17. There are some strong characteristics of mine that were shaped during these experiences, but none more so than my resilience and performance under pressure that now underpins my leadership and execution in high-stakes technical environments.

TRAVEL

Southeast Asia — Traveling & experiencing new cultures

FEB 2025 - JUNE 2025

Immersed in diverse cultures, developing adaptability, resourcefulness and cross-cultural communication — skills that translate directly into collaborating with diverse teams in tech.

Zakynthos, Greece — Living abroad

MAY 2016 - OCT 2016

Enjoyed achieving a childhood ambition to experience living in another country. Worked at a local bar, built long-term friendships, and even redesigned the bar's signage/branding. From looking for apartments, to applying for all required work permits/documents in a country where I didn't speak the local language, this experience was challenging and brilliant all at once.