

CHRISTOPHER JONES

christopher_jones@me.com · +1 (469) 922-0654 · Dual UK / US citizen

PROFILE

I take business processes that depend on manual effort and scattered tools, and rebuild them as custom applications, AI agent workflows, and automation pipelines. A decade of work across IT, database systems, and operations provides the context to build tools that align with how teams actually work. Especially interested in roles that combine product thinking, process automation, and applied AI to make organizations measurably more efficient. Trilingual in English, Spanish, and French.

CORE STRENGTHS

- Custom internal AI apps and automations
- Business process automation
- Geospatial and mapping data
- Microsoft 365 and Google Workspace administration
- AI agent orchestration and LLM workflows
- Database administration
- Web design and front-end development
- End-to-end delivery (business problem to working product)

TOOLS AND WORKING KNOWLEDGE

AI and Automation Prompt engineering, agent orchestration, retrieval-augmented generation pipelines, LLM evaluation, FastAPI services, ChromaDB, Python automation

App and Web Development React, Next.js, Webflow, HTML / CSS, Python, Docker, Postgres, REST APIs

Business Email and Productivity Microsoft 365 and Google Workspace administration, including Exchange Online, Purview, BitTitan MigrationWiz, and cross-platform email migrations

Mapping and Geospatial QGIS, PostGIS, OSPInsight, CenterPoint integration, spatial analysis

Databases and Systems Postgres, SQL, database design, reporting and dashboards, Linux and Windows administration, Proxmox virtualization

Design Adobe Photoshop, Illustrator, InDesign, brand identity, responsive web design

EXPERIENCE

Phonoscope · Houston, regional fiber ISP

2022 – 2026

Systems and Database Administrator

- Built a custom contract and TLA management web app (FastAPI, Postgres, React, Docker) now in active daily use across the business; replaced a sprawling shared-folder workflow with a structured intake-to-renewal system.
- Designed and packaged in-house desktop utilities used by staff for invoice generation, customer maintenance notifications, and other recurring process work.
- Built and maintained mapping and geospatial workflows (QGIS, OSPInsight, CenterPoint integration) supporting fiber network planning, reporting, and decision-making.
- Administered databases, mailboxes, and infrastructure underpinning the business, and led a Microsoft 365 migration from a legacy SmarterMail system.
- Introduced AI-assisted workflows for non-technical staff, embedding prompt-driven tools into routine work to cut time spent on repetitive research, drafting, and lookups.
- Earlier in tenure, owned the company's website, digital marketing, and social media presence.

RuggedEdge · Houston, industrial AI startup

2020 – Present

Founding builder and equity holder

- Built the original push-to-talk Android prototype that runs on the company's EdgeOne and EdgeTwo edge devices, including the retrieval-augmented knowledge layer (ChromaDB) and FastAPI backend behind it.
- Built diagnostic utilities for EdgeWatch covering GPS accuracy, Bluetooth/Wi-Fi/EdgeOne pairing, and onboard health sensors.
- Prototyped a 3D mapping demo that tracks personnel inside hazardous industrial environments, used to show the system's value to prospective customers.
- Designed and shipped the company's website and brand-facing materials end-to-end.

Star Motor Cars · Houston, luxury automotive group

2013 – 2020

IT Director, with broad operations and bookkeeping support

- Ran IT across a multi-franchise dealership group: infrastructure, vendor management, end-user support, and internal systems.
- Migrated the business from Network Solutions email to Google Workspace and administered the platform across the company for years afterwards.
- Worked across departments on bookkeeping, payroll-related tasks, vendor coordination, training, and day-to-day operations; the breadth of that role is where I learned to translate business problems into technical fixes.
- Trained and supported staff and managers on internal systems and workflows, improving consistency and cutting recurring confusion.

EDUCATION AND LANGUAGES

University of Texas at Arlington

2010

B.A., Modern Languages (Spanish and French)

Université de Paris IV, Sorbonne · Paris

2009

Certificat de langue et civilisation françaises; advanced French language and civilization

Languages English (native) · Spanish (fluent) · French (fluent)