

SOFTWARE ENGINEERING EXPERIENCE

SCYFOR Consulting, LLC

Senior Full Stack Software Engineer (Contract)

Apr. 2024 – Present

- Sole-engineered a multi-tenant document management SaaS (BrightArchive) from a Paperless-ngx fork, delivering 1,200+ commits across Django 5.2, Angular 20, and PostgreSQL (AWS RDS) with strict row-level tenant isolation, tenant-aware media storage, and automatic ORM query filtering.
- Built an AI/RAG document intelligence layer supporting 6+ LLM providers (OpenAI, Anthropic, DeepSeek, Novita) with pgvector embeddings, hybrid semantic/keyword search, and agentic retrieval — enabling per-tenant document summaries, auto-tagging, and conversational Q&A with source citations.
- Designed and shipped an end-to-end subscription portal (FastAPI + SQLAlchemy) integrating Chargebee billing, Keycloak OIDC single sign-on, and a 5-step async provisioning orchestrator that onboards tenants across BrightArchive, BrightSign, and Keycloak.
- Engineered automated document ingestion pipelines processing inbound email (IMAP/OAuth) through Tesseract OCR, Apache Tika, and Gotenberg, with sender whitelisting, metadata extraction into custom fields, and rule-based classification by document type.
- Implemented RBAC with teams and departments — tenant-admin/editor/viewer roles enforced via Django Guardian, Keycloak realm-role sync, WebSocket-aware permission checks, and a full audit trail (django-auditlog) surfaced in an admin activity feed.
- Established CI/CD on self-hosted GitHub Actions with sharded pytest (4 shards), Jest, and Playwright E2E suites, automated staging deploy on push, and a gated manual production release workflow requiring dispatch confirmation.
- Delivered a responsive Angular 20 UI with real-time WebSocket updates, PDF.js document preview, RAG chat interface, bulk editing, saved views, and dark-mode support — all tenant-scoped and permission-gated.

Ecosave

Full Stack Software Engineer

Oct. 2022 – Apr. 2024

- Engineered a client-facing sustainability portal using Kotlin/JS and React, enabling enterprise clients to track energy KPIs and manage over 5,000 data points monthly.
- Automated the generation of GRI-compliant sustainability reports using JasperReports and Kotlin, saving an estimated 20 hours of manual work per reporting cycle.
- Increased application uptime to 99.8% and reduced data-related errors by 40% by architecting a new ELT/ETL testing pipeline and implementing robust data validation logic, while streamlining the development lifecycle through high-fidelity Figma mockups and Draw.io workflow diagrams that improved design hand-offs and reduced rework.

IQTech Consultant, LLC

ReactJS Developer / Frontend Consultant (Contract)

Jan. 2021 – Oct. 2022

- Architected and delivered custom React applications for 3 enterprise clients, building reusable component libraries and state management patterns that reduced development time by 30%.
- Built responsive, accessible UIs with React, Redux, and React Query, resolving 90%+ of production bugs within one business day and accelerating feature delivery across teams.
- Implemented a role-based access control system with protected routes, JWT authentication, and granular permission checks to secure sensitive user data across client portals.

SKILLS & TECHNOLOGIES

- **Programming Languages:** JavaScript, TypeScript, Python, Kotlin, SQL, Ruby, C#
- **Front-End Development:** Angular, React, Next.js, Redux, Tailwind CSS, TypeScript
- **Back-End Development:** Django, Django REST Framework, FastAPI, Node.js, Express.js, Celery, Spring Boot, ROR
- **AI & RAG Architectures:** RAG, LLM Integration, Vector Embeddings, pgvector, Hybrid Search, Agentic Retrieval
- **Data Engineering & Databases:** PostgreSQL, MongoDB, ETL/ELT Testing, Dimensional Modeling, Medallion Architecture
- **Cloud & DevOps:** AWS (RDS, Docker), Azure, GitHub Actions, Docker Compose, Jenkins, CI/CD
- **Tools:** Keycloak (OIDC/SSO), Chargebee, Redis, Playwright, pytest, Cursor, Git, Postman, Figma

EDUCATION

Flatiron School

Full Stack Software Engineering Certification

Jun. 2020 – Apr. 2021

Touro College

BS - Data Communications / Computer Science

Jan. 2000 – Jun. 2003