

Leonardo Da Silva

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Active TS/SCI Clearance with Full Scope Polygraph

PROFESSIONAL SUMMARY

Full-stack software engineer with 4+ years of experience building AI/ML-enabled mission applications, analytical and decision-support tools, and data-processing automation across classified intelligence, aerospace, and enterprise environments. Proficient in React, TypeScript, Python, Java, RESTful APIs, PostgreSQL, AWS, Docker, Git, and CI/CD, with a track record of translating research prototypes and mission-user requirements into secure, reliable operational software for data-intensive, high-security environments.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, SQL

Frontend & APIs: React, Next.js, HTML, CSS, FastAPI, Flask, RESTful APIs, Serverless Functions

Data & Cloud: PostgreSQL, Supabase, SharePoint, AWS, Docker, Linux

DevSecOps & Delivery: Git, GitHub Actions, Bitbucket, CI/CD, Automated Testing, Security Scanning, RBAC, Agile

AI & Analytics: Retrieval-Augmented Generation (RAG), LLM Integration, Computer Vision, Jupyter, LiDAR, ROS

PROFESSIONAL EXPERIENCE

Universal Creative | Lead Software Engineer

Nov 2025 - Present

- Architected and developed AI-enabled full-stack applications using React, TypeScript, Next.js, Python, FastAPI, Flask, and PostgreSQL for knowledge management, compliance, software governance, meeting intelligence, and project operations.
- Built retrieval-augmented generation and decision-support capabilities with hybrid retrieval, grounded citations, hallucination detection, confidence scoring, role-aware search, multilingual responses, document ingestion, conversation history, and workflow visualizations.
- Engineered a local-first meeting-intelligence platform with microphone and system-audio capture, speaker-attributed transcription, structured summaries, and approval-gated synchronization with downstream task-management systems.
- Delivered an enterprise software-renewal and license-management platform integrating SharePoint and asset data; validated workflows across hundreds of software records and thousands of licensed seats while implementing dashboards, role-based administration, durable writebacks, caching, and recovery controls.
- Built a governed AI software-intake and Cyber Assurance workflow with role-based access, audit history, approval controls, and status tracking; implemented CI/CD and DevSecOps controls through GitHub Actions, automated testing, SBOM generation, security scanning, and validation gates.

Central Intelligence Agency | Technical Developer

Sep 2023 - May 2025

- Developed automatic target recognition models to accelerate overhead imagery analysis and support target order-of-battle updates.
- Prototyped an LLM-enabled interface integrating Department of Defense and Intelligence Community tools and implemented JavaScript features that improved functionality, information presentation, and user interaction within a classified technical application.
- Conducted research using targeting tools, methods, and procedures to determine whether additional analysis was required; briefed senior leaders on findings, project outcomes, and recommendations.
- Designed and tested experimental sensing and communications prototypes, including very low frequency (VLF) signal acquisition, translating technical concepts and requirements into functional demonstrations.

Northrop Grumman | Software Engineer

May 2022 - Sep 2023

- Developed Python data-extraction and processing tools for aircraft test and simulation datasets, increasing software engineering productivity by 37%.
- Implemented code inspection tags across Python, Ada, and C++ to accelerate requirements verification by 53%.
- Executed aircraft test simulations and analyzed performance data across domestic and international Global Surveillance programs.
- Collaborated with university and hardware teams to develop an autonomous drone with local tracking and identification capabilities for wildlife monitoring.

SELECTED TECHNICAL PROJECT

Orbit | Founder

May 2025 - Present

- Architected and deployed a production full-stack matchmaking platform for web, iOS, and Android using React, TypeScript, Supabase, PostgreSQL, and Capacitor.
- Designed a secure cloud backend with authentication, PostgreSQL Row Level Security, real-time services, storage, and 50+ serverless Edge Functions supporting messaging, payments, moderation, privacy controls, and identity verification.
- Established GitHub Actions and Cloudflare Pages CI/CD with unit, integration, end-to-end, accessibility, performance, and security testing across staging, production, and mobile releases.

EDUCATION

University of Florida | Master of Business Administration Candidate, Expected May 2028

Eastern Florida State College | Bachelor of Science in Computer Science | GPA: 4.0 | Melbourne, FL