

Adam Sutton

Software Engineer

980-208-3177

adamtsutton@gmail.com
[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

SUMMARY

Highly motivated software engineer with a passion for AI. Eager to leverage extensive experience in full-stack development, serverless architecture, and data integration to transition into an **ML Engineer** or **GenAI Engineer** role. Proven track record of architecting resilient AWS-native pipelines and automated DevOps workflows.

TECHNICAL SKILLS

- **Languages:** Python (Boto3), JavaScript, Apex (Java-based), SQL, PowerShell, HTML/CSS
- **Libraries/Frameworks:** Flask, Selenium, React, LangChain, Lightning Web Components (LWC), D3.js
- **Cloud & Tools:** AWS (Lambda, S3, DynamoDB, SQS, SNS, CloudWatch), AWS SAM, Docker, Git/GitHub CLI, Salesforce CLI.
- **Certifications:** AWS Certified Solutions Architect - Associate, Mulesoft Developer 1, Boomi Associate Developer, Salesforce Platform Developer 1, Salesforce Integration Architect

PROFESSIONAL EXPERIENCE

The Hunley Group | Charlotte, NC | *Senior Developer* | 2020 – Present

- Architect and implement full-stack solutions in an Agile agency environment, consistently delivering complex projects on spec and within budget.
- Promoted to Senior Developer within one year based on technical leadership and ability to balance competing client demands.

Key Projects:

- **SpecSuccess AI: Production Generative AI Systems (2025-2026)**
 - **Agentic Pipeline Implementation:** Developed and optimized high-throughput components of a multi-agent pipeline using AWS Bedrock, focusing on LLM Match Validation and parallel classification agents to ensure high-precision data enrichment.
 - **Serverless Infrastructure (Architect):** Designed and built a resilient document retrieval system using AWS Lambda (Python 3.12) and Selenium/Chrome in Docker containers, utilizing SQS and dual-source workflows to handle diverse document origins.
 - **Observability & Run Ledger (Architect):** Engineered an event-driven tracking stack using Amazon EventBridge and DynamoDB to monitor the lifecycle of concurrent AI jobs, providing real-time visibility into pipeline health.
 - **Reliability Engineering (Architect):** Implemented advanced DLQ handling and automated recovery workflows that archive failure contexts in DynamoDB, reducing manual triage time for failed enrichment jobs.

- **Full-Stack Monitoring (Architect):** Built an authenticated REST API (Cognito/JWT) and a static S3/CloudFront web dashboard to allow stakeholders to review client configurations and live project statuses.
 - **SpecSuccess Release Maker (2025):** Automated the creation and promotion of managed package versions using a PowerShell-driven workflow. Implemented semantic versioning discipline and Git/GitHub tagging to eliminate manual errors and ensure auditability.
 - **Snowflake Data Warehouse Integration (2024):** Designed a robust data pipeline to automate nightly transfers of accounting and project data from Snowflake to CRM using Apex, SQL, and REST APIs.
 - **SAP Sales Data Integration (2024):** Led a global integration via Boomi, connecting five SAP HANA databases to multiple CRM environments to streamline international sales reporting.
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PERSONAL PROJECTS

- **RAG Web App (2024):** Developed a custom application using Retrieval-Augmented Generation, query refinement, and cross-encoder re-ranking to explore technical documentation. Built with Chroma DB, LangChain, React, and Google Gemini. Containerized the stack with Docker.
 - **Machine Learning Competitions (2024):** Actively applying model selection and feature engineering techniques on Kaggle using pandas, scikit-learn, and XGBoost.
 - **Open Source Contributions (2023):** Contributed a new feature to the Salesforce CLI, gaining experience with robust CI/CD pipelines and rigorous version control.
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PREVIOUS EXPERIENCE

Calyptix Security | Marketing Director | 2014 - 2020

- Increased lead generation 12x via custom marketing automation and served as a Salesforce Administrator/Developer (Apex, JavaScript).

Magnet Ink | Marketing Consultant & Writer | 2012 - 2014

- Provided consulting and content for industry leaders like HubSpot and Responsys.

MarketingSherpa (MECLABS) | Manager of Editorial Content | 2007 - 2012

- Researched and edited case studies on digital marketing; frequent public speaker at industry workshops.

EDUCATION

University of Massachusetts, Amherst
B.A. Economics, Journalism (double major)
2002 - 2006