

Caleb Andersen

SOFTWARE DEVELOPER | SOLUTIONS ARCHITECT

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Profile

Logical and innovative software developer with a passion for building AI-powered systems and applications. Founder of Archeta AI, a SaaS product accepted into Microsoft for Startups Tier Two. Currently working at ColorGen as a Solutions Architect, developing industrial software, automation systems, and AI-powered solutions for manufacturing and production. Experienced in developing full-stack software, open-source AI tools, and community-driven products that solve real problems, with a strong academic background in computer science.

Experience

ColorGen | Solutions Architect

Feb 2026 - PRESENT

- Developed internal software to automatically generate Safety Data Sheets and Technical Data Sheets for chemicals.
- Working on the integration and automation of printing and color management systems, including connecting spectrophotometry and ink dispensing software.
- Implementing automated workflows between production systems to improve reliability and efficiency.
- Developing tools, customer interfaces, and system integrations using modern web and database technologies.
- Supporting SQL databases, business applications, and Power Platform solutions used across the organization.
- Exploring opportunities to implement AI-driven solutions to optimize internal processes.

Archeta AI | Founder & Developer

Apr 2025 - PRESENT

- Building an AI project coordination platform that connects to GitHub and Slack to run automated standups, tracks developer activity, and improves visibility of team workflows.
- Developed adaptive memory systems that learns team patterns and behaviors to deliver insights and intelligent interventions via Slack.
- Designing scalable SaaS infrastructure focused on AI-assisted software project management and team collaboration.
- Accepted into Microsoft for Startups - Tier Two.

RagCap | Founder & Developer

Aug 2025 – Dec 2025

- Developed a Retrieval-Augmented Generation system packaged as single-file knowledge capsules.
- Built portable single-file “capsules” using SQLite, allowing for offline querying and reproducibility.
- Implemented ingestion, embedding, and querying pipelines for both local and cloud-based tasks.
- Built a CLI-first architecture with Python and JavaScript adapters for integration with AI frameworks.

Curro Hillcrest High School | IT Tutoring Assistant

May 2022 – Aug 2022

- Supported the IT teacher with technical tasks and assisted via remotely supporting students.
- Helped a recovering student keep up with IT schoolwork.
- Encouraged problem-solving and technological knowledge among students.

Education

IIE Varsity College Bachelor of Computer & Information Sciences	2023 - 2025
Application Development	
Curro Hillcrest High School	2017 - 2021

Technical Stack

Languages:

C#, Java, SQL, JavaScript, and Python

Frameworks & Tools:

ASP.NET Core, MVC, React, Entity Framework, and REST APIs

AI & Data:

RAG pipelines, embeddings, vector search, and prompt design

Cloud & DevOps:

Azure App Services, Azure Storage, Azure AI, GitHub

Databases:

SQL Server, relational schema design

Achievements

- **HackerRank Orchestrate Hackathon June Edition** – Ranked 5th out of 1,773 finalists (15,000 total registrants). Developed a multi-modal single-agent system that verifies damage claims on insurance applications accurately for cars, laptops, and packages. The system relies on image evidence to ground every decision instead of adversarial claim text, history of user etc. The framework uses a model-driven tool-calling loop, per-image vision inspection and tiered vision/reasoning models.
- **HackerRank Orchestrate Hackathon May Edition** – Ranked 70th out of 1,349 finalists (12,885 total registrants). Built a terminal-based, deterministic AI support triage pipeline to safely classify and route support requests across multiple companies without hallucinating policies using lexical retrieval, rule-based routing, and a modular pipeline.
- Accepted into Microsoft for Startups – Tier Two (Archeta AI).
- Consistent academic distinctions in each module of the Bachelor of Computer & Information Sciences in Application Development course.
- Winner of Elevator Pitch Competition (Varsity College) for delivering a clear and compelling startup pitch, recognized for confidence and professionalism.