

# Christopher Cadger

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## SUMMARY

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AI engineer with 25+ years of real-world project leadership, now building and shipping production AI applications. IBM AI Engineering certified (2025) with hands-on experience deploying LLM-powered apps using the Anthropic Claude API, computer vision systems with YOLOv8, and native mobile apps via Capacitor. Combines deep operational expertise — risk assessment, stakeholder management, and process optimization — with a bias toward shipping working software. Three live AI apps deployed to production in 2025.

## PROJECTS

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### GlowAI 2025 – Present

— Agentic AI Skincare App

Live: [quickapp-three.vercel.app](https://quickapp-three.vercel.app) • [github.com/808cadger/GlowAI](https://github.com/808cadger/GlowAI)

- Built an agentic AI mobile app using Anthropic's Claude API with a custom 5-tool use loop: skin analysis, routine builder, ingredient explainer, product recommender, and progress tracker
- Implemented multi-step tool-use chaining where Claude proactively sequences actions based on user context
- Packaged as a native Android app using Capacitor; deployed to Vercel with demo mode fallback
- Stack: JavaScript, HTML/CSS, Anthropic API, Capacitor, Vercel

### Archer Travel 2025

— AI Identity Verification Platform

Live: [archertravel.vercel.app](https://archertravel.vercel.app) • [github.com/808cadger/archer-travel](https://github.com/808cadger/archer-travel)

- Developed a travel booking platform with AI-powered identity verification using Claude Vision API
- Claude Vision compares a user selfie to a government-issued ID, returning a real-time JSON confidence score
- Privacy-first architecture: images processed client-side and never retained after session
- Stack: JavaScript, HTML/CSS, Claude Vision (claude-sonnet-4-6), Vercel

### Construction Safety AI 2025

— Real-Time PPE Detection System

[github.com/808cadger/construction-safety-ai](https://github.com/808cadger/construction-safety-ai)

- Built a computer vision system using YOLOv8 to monitor construction sites for PPE compliance (hard hats, vests, goggles) in real time
- Automated violation report generation, leveraging 25 years of domain expertise to tune detection priorities
- Stack: Python, YOLOv8, OpenCV, Ultralytics

## EXPERIENCE

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### MTL Max Builders Project Manager Dec 2016 – Present

• Honolulu, HI

- Managed complex commercial build-outs and airport facility upgrades, overseeing budgets, timelines, and risk mitigation through data-driven planning
- Coordinated cross-functional teams across airport administration, engineering, and tenant operations — producing stakeholder reports that translated technical constraints into business impacts

- Applied process optimization and iterative feedback loops to minimize operational disruption during active facility remodels

HK Construction Superintendent

Jan 2023 – Aug 2023

· Honolulu, HI

- Analyzed worker production metrics to identify inefficiencies, implementing targeted interventions that improved output
- Used AutoCAD for technical spatial modeling, preventing logistical errors and clarifying specifications for field teams
- Performed root cause analysis on labor and material usage data to drive cost savings and process improvements

Build Oahu Working Superintendent

Jan 2021 – Jan 2022

· Honolulu, HI

- Developed comprehensive work plans from technical blueprints, aligning deliverables with engineering specs and client expectations
- Led client consultations, visualizing milestones and translating complex project data for non-technical stakeholders

EDUCATION & CERTIFICATIONS

IBM AI Engineering Professional Certificate

Issued Jan 2026

— Coursera

Machine learning, deep learning, neural networks, model deployment, and Python-based AI development. Built and evaluated end-to-end ML models.

Waipahu School for Adults — High School Diploma

SKILLS

AI / ML	Claude AI (Anthropic API), Agentic Tool-Use, Prompt Engineering, YOLOv8, Computer Vision, Machine Learning, Neural Networks, Deep Learning, Model Evaluation
Languages	Python, JavaScript, HTML/CSS, SQL
Tools	OpenCV, Capacitor, Vercel, GitHub, Android Studio, AutoCAD
Professional	Project Management, Risk Assessment, Stakeholder Communication, Process Optimization, Agile Coordination, Data Analysis