

LUKE SAMPSON

Full Stack Software Engineer

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SKILLS & WORKFLOW

Languages & Databases:	Swift, Python, Go, TypeScript, Kotlin, PostgreSQL (Neon, Supabase)
Frameworks & Tools:	Next.js, React, Svelte, FastAPI, Drizzle ORM, Bun, Node.js, Tailwind CSS
AI & Developer Tools:	Claude Code, Codex, Antigravity, GitHub Copilot (CLI & Integration)
Terminal Ecosystem:	Neovim (AstroNvim), Ghostty, Zsh, Tmux, Git CLI, SSH

EDUCATION

Software Development (Full Stack)

Dixie Technical College

📅 Jan 2026 – Dec 2026

📍 St. George, UT

Mobile Application Development (iOS)

Dixie Technical College

📅 Aug 2025 – Jan 2026

📍 St. George, UT

LEADERSHIP & EXPERIENCE

Lead Student Developer & Representative

Dixie Technical College

📅 Jan 2026 – Present

📍 St. George, UT

- Lead PM to manage and coordinate a student developer team building the school’s official cross-platform web and mobile apps using **Swift (iOS)** and **Kotlin (Android)**.
- Selected as the sole Computer Division representative to collaborate with the college presidency on routing the department’s new 3-year curriculum strategy.

PROJECTS

Cardboard - Classroom Kanban Board

Full-Stack Web App | React, Node.js, TypeScript, PostgreSQL, Slack API

- Developed a full-stack Kanban platform using **React**, **TypeScript**, and **Vanilla CSS**, powered by a native, framework-less **Node.js HTTP server** and **Neon Serverless Postgres**.
- Built a custom **GitHub OAuth flow** and cookie-based session tracker from scratch, restricting team-scoped PM notes and admin panels using server-side role checks.
- Help provide team accountability and workspace with card event history logs, ghost loading states to prevent layout shifts, and real-time notifications via **Slack webhook APIs**.

AI/API Lead Generation Scraper

Full-Stack Web App | Next.js, TypeScript, Gemini API, Hunter.io API

- Developed a full-stack platform using **Gemini 2.0** to parse and transform raw Google Places and reviews data into personalized business outreach strategies.
- Built a high-performance lead pipeline using **Neon Postgres** to aggregate and filter thousands of contact profiles, protected by a Google OAuth 2.0 allowlist.

The Studio - Project Manager

iOS App | Swift, SwiftUI

- Built a custom iOS project manager for an interior design studio from the ground up using **Swift/SwiftUI** and maintaining a clean **MVVM** architecture.
- Designed a secure workflow template and project tracking system with **RBAC** to manage data privacy between Admin and Client accounts.