

Alexander Wong

[alex-wzm.dev](#) 

Engineering leader who scaled an identity platform to 100M monthly users, then founded two climate businesses. Now looking to build software for the energy transition.

Founder

Spotlight Solar Services  | Jun 2026 – Present*

- Growing a solar services business that restores more than enough clean power to displace its operating emissions.

Co-founder

Refurbion  | Jan 2026 – Present*

- Extending the life of enterprise laptops and phones: 200,000+ refurbished and back in use in our first six months.

** Both businesses run day-to-day without me. I'm available for full-time work now.*

Fellow

Climatebase | Mar 2024 – Present | San Francisco, CA

Leading technical capstone projects and coordinating quarterly community events.

Carbon Footprint  *Project Lead* | 2025 – Present

- Prototyped Flutter app to quantify, track, and visualize carbon efficiency of nutrition and food waste.
- Built Supabase backend processing meal data through a carbon accounting model spanning Scope 1–3 agricultural emissions.

Niobia AI  *Product Advisor* | 2026

- Rebuilt the website and distilled the positioning for an AI-first workspace for battery R&D and manufacturing, from cyclor data analysis to cell design.

Grove  *Software Architect* | 2025

- Designed onboarding and authentication flows with Plaid integration for micro-investing in verified tree planting.

Nui  *Software Architect* | 2025

- Designed multi-tenant system with permissions-aware RAG enabling human-in-the-loop agentic workflows for blue carbon RFP processing.

Engineering Lead, Digital Identity

Kount, an Equifax Company | Apr 2020 – May 2024 | Remote

Steered the *Identity as a Service* product from proof-of-concept to production. Joined as first hire on the team, left leading twelve semi-remote engineers.

Staff Engineer | 2022

- Architected Identity as a Service: embedded SSO with verified identity and consent for 100M monthly users.
- Led twelve engineers through a multi-quarter GCP-to-AWS migration onto Terraform/Kubernetes, navigating the Equifax–Kount M&A without stalling delivery.

- Shifted compliance left by partnering with the cloud platform team to embed standards into the platform, thereby streamlining delivery and customer feedback.
- Grew the team to twelve engineers (~\$2M annual budget), running hiring, strategy, and cadence through multiple reorgs.
- Adopted [Shape Up](#) to ship through moving goalposts; leadership then asked me to evangelize it across other teams.

Senior Software Engineer | 2020

- Wrote front-end and back-end SDKs and core business logic for embedded SSO.
- Designed SDK-driven OAuth/OIDC and Identity Proofing flows (50+ permutations, NIST 800-63 compliant) with enhanced auth: Passkeys/WebAuthn, DPOP.
- Set standards for API contracts and code generation (OpenAPI, gRPC) and built a Storybook design system.
- Built onboarding tooling that took new engineers from zero to first PR in their first week.
- Moved CI/CD off Jenkins onto Terraform/Kubernetes; wrote the first integration test suites in Cypress and Playwright.

Software Engineer, Natural Resources

Accenture Innovation Hub | Oct 2018 – Jan 2020 | Singapore

Sparked new client business across O&G, utilities, mining, agriculture, and transportation.

- Engineered 10+ prototypes using agile principles and design thinking.
- Simulated peer-to-peer trading of tokenized distributed energy assets, showcased at a regional energy summit to make the case for deregulation to Southeast Asian utilities.
- Built a multilingual voice agent in 2018 (years before ChatGPT voice mode) and an extended-reality interface.

B.A.Sc in Cognitive Science (Honours)

McGill University | 2018 | Montreal, QC

- Major: robotics, machine learning
- Minor: ecological economics, embodied energy analysis
- Thesis: *Building trust in human-machine interactions*, published at IEEE CRV 2019
- Co-President of the Student Association of Cognitive Science

Stack

React, TypeScript, Python, Go, gRPC, Postgres, Supabase, Docker, Kubernetes, Terraform, DataDog, AWS, GCP