

Mark Windsor - Full Stack Engineer

☎ 1-709-749-7871 | @ markwindsorr@atlas-research.io |  LinkedIn |  GitHub |  Portfolio | 📍 Newfoundland, Canada

Skilled full stack engineer with a love for product design and focus on quantitative finance and LLMs.
Experienced across the entire stack. My under 2MB resume.

WORK EXPERIENCE

Atlas Research

Founder

Remote — Bangkok, TH

Sept 2024 – Present

- Built an **AI-native IDE** that converts research PDFs or natural-language prompts into fully executable Jupyter Notebooks in <2 min, complete with automatic dependency resolution and LLM-guided cell debugging.
- Cut quant-strategy prototyping time from ~3 hrs to ~30 min (6× faster) while reducing reproducibility errors by 80 %.
- Launched a private beta with **3 000** researchers and quantitative engineers on the wait-list and ~250 active testers, including some of the most respected researchers in their field
- Product demo

Moments Capital

Lead Developer

March 2024 – August 2024

- Developed react analytics dashboards for portfolio allocation strategies, created by a high-caliber team of Statistics PhDs and Math Olympiad Medalists

Antler Singapore

Resident

Singapore

Oct 2022 – Jan 2023

- Selected join residency program as founder.

Mysa Smart Thermostats

Full Stack Developer

St. John's, NL, Canada

March 2020 – June 2022

- Core react-native developer of Mysa's mobile application used by 500k+ customers across North America. Played key roles in developing the main functionality such as multi device scheduling and revamped the client side app's thermostat messaging system
- Led the development of a reusable component library implemented across the mobile application. Identified and resolved a critical React Native bug affecting iOS 13, where the Dimensions API returned zero values for screen height and width, which would have rendered the app unusable for all users

Vision33

iOS Developer – SAP Business One Integrations

St. John's, NL, Canada

Sept 2018 – Feb 2020

- Sole iOS engineer for Vision33's executive mobile portal for **SAP Business One**. Built Swift/Objective-C integrations that surfaced real-time sales orders, A/R invoices, and inventory data to C-suite users.
- Designed a streamlined UI that let executives view KPIs and approve invoices in <3 taps, cutting average approval time by ~60%.

Fytics / Vinocount

iOS Developer

St. John's, NL, Canada

June 2017 – Sept 2018

- Built the company's first production iOS app in Swift for bar/restaurant inventory counts; barcode + Bluetooth-scale workflow cut stock-take time **70%** (90 min → 25 min).
- Implemented an offline-first Core Data Firebase sync layer so staff could complete counts in cellars/freezers; inventory-accuracy rose to **98%**.
- Platform IP later pivoted into **Milk Moovement**, now a Series A dairy-logistics SaaS

EDUCATION

Memorial University of Newfoundland

Sep 2013 – Dec 2018

B.Sc.in Computer Science and Economics;

SKILLS

Programming: TypeScript/JavaScript, Python, Fortran, Swift, Objective-C

Frontend: Next.js (Web), React Native (Mobile), Native iOS (UIKit / SwiftUI)

Backend DevOps: AWS (API Gateway, Lambda, DynamoDB, RDS, ECS), Docker, Firebase, Supabase