




# Mark Windsor

Software Engineer

📧 markwindsorr@atlas-research.io |  LinkedIn |  GitHub |  Portfolio | 📍 Newfoundland, Canada | Open to Remote

Senior engineer with 7+ years shipping production software used by 100K+ users. Currently building Atlas Research, LLM powered python notebooks to automate research & data science workflows. Accepted into NVIDIA Inception & adopted by some of the most respected researchers in their field. Seeking full-stack/AI engineering roles.

## SKILLS

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**Languages:** TypeScript, Python, Swift, SQL

**Frontend:** Next.js, React, React Native, iOS/Swift

**Backend & Infra:** Node.js, FastAPI, AWS ECS, Lambda, PostgreSQL, DynamoDB, Docker, Supabase

**AI / ML:** AWS Bedrock, LLM orchestration, RAG, Agentic systems, ML pipelines

## WORK EXPERIENCE

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### Atlas Research – atlas-research.io

Remote

*Founder & Lead Engineer*

*Oct 2024 – Present*

- Built an AI-native IDE converting academic PDFs and natural-language prompts into executable Python Notebooks — adopted by a former Quant R&D Head at ADIA and a professor at École Polytechnique and used in multiple universities
- Grew to 4,000+ researcher waitlist and 250+ active beta users; accepted into NVIDIA Inception program
- Architect of the full production stack: Next.js, FastAPI, Docker, AWS ECS, AWS Bedrock, PostgreSQL

### Moments Capital

Remote

*Lead Developer*

*Mar 2024 – Aug 2024*

- Built Next.js analytics dashboards for a quant fund led by Statistics PhDs and Math Olympiad medalists — translated portfolio data into interactive performance dashboards for clients

### Antler

Singapore

*Founder Resident*

*Oct 2022 – Dec 2023*

- Selected for Antler's competitive early-stage program

### Mysa Smart Thermostats

St. John's, NL

*Full Stack Engineer*

*Mar 2020 – Oct 2022*

- Core React Native developer on the mobile app powering 100K+ homes across North America — developed multi-device scheduling and redesigned thermostat messaging architecture
- Built a reusable component library adopted across the entire app, reducing new feature development time by ~40%
- Identified and patched a critical iOS 13 compatibility bug that would have broken the app for the entire iOS user base

### Vision33

St. John's, NL

*iOS Developer — SAP Business One*

*Sept 2019 – Mar 2020*

- Sole iOS engineer for Vision33's executive mobile portal — Swift integrations surfacing real-time sales orders, A/R invoices, and inventory data from SAP backends for enterprise clients

### Fytics / Vinocount

St. John's, NL

*iOS Developer*

*Jun 2017 – Sept 2019*

- Built company's first production iOS app in Swift — barcode scanning and Bluetooth scale integration reducing customer inventory count time by ~70% (90 min → 25 min)
- Platform IP later became Milk Moovement, now a Series A dairy-logistics SaaS

## EDUCATION

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### Memorial University of Newfoundland

St. John's, NL

*B.Sc. Computer Science & Economics*

*Sep 2013 – Dec 2018*