

Mark Windsor

Full Stack Engineer | AI Development Tools

@ markwindsorr@atlas-research.io |  LinkedIn |  GitHub |  Portfolio |  Bangkok, Thailand — Open to Remote (Global)

Full-stack engineer with 7+ years shipping production applications used by 100K+ users. Currently building AI development tools that reduce research-to-code time by 95%. Proven track record working remotely across North America and Asia. Seeking full-stack or frontend engineering roles.

WORK EXPERIENCE

Atlas Research (atlas-research.io)

Remote (Bangkok, Thailand)

Founder & Solo Developer

Sept 2024 – Present

- Achieved profitability and 4,000-researcher waitlist and 250+ active beta users, including leading academics and authors; accepted to NVIDIA Inception program for cloud infrastructure support
- Built and launched profitable AI-native IDE that converts academic PDFs or natural-language prompts into executable Jupyter Notebooks in <2 minutes, reducing quant research prototyping from days to minutes
- Solo technical founder: architected and deployed full production stack (Next.js, Docker, ECS, PostgreSQL) with LLM-powered debugging pipeline achieving automatic dependency resolution and 94% execution success rate
- Demonstrated end-to-end product ownership from concept to revenue-generating SaaS with zero DevOps support
- Product demo

Moments Capital

Remote

Lead Developer

March 2024 – August 2024

- Developed Next.js analytics dashboards (TypeScript, PostgreSQL, Chart.js) visualizing portfolio allocation strategies for quant fund led by Statistics PhDs and Math Olympiad medalists
- Collaborated remotely with technical leadership to translate complex mathematical models into interactive web visualizations

Antler Singapore

Singapore

Resident

Oct 2022 – Jan 2023

- Selected for competitive founder residency program; developed initial concepts that evolved into Atlas Research

Mysa Smart Thermostats

(St. John's, NL, Canada)

Full Stack Developer

March 2020 – June 2022

- Core React Native developer for mobile application powering 100K+ homes across North America; led implementation of multi-device scheduling and redesigned client-side thermostat messaging architecture
- Architected and delivered reusable component library adopted across entire mobile application, reducing development time for new features by approximately 40%
- Identified and resolved critical React Native iOS 13 compatibility bug that would have rendered app unusable for entire user base post-update

Vision33

St. John's, NL, Canada

iOS Developer – SAP Business One Integrations

Sept 2018 – Feb 2020

- Sole iOS engineer for Vision33's executive mobile portal for SAP Business One; built Swift integrations surfacing real-time sales orders, A/R invoices, and inventory data from SAP backend
- Designed streamlined UI enabling executives to view KPIs and approve invoices on mobile, improving workflow efficiency for enterprise clients

Fytics / Vinocount

St. John's, NL, Canada

iOS Developer

June 2017 – Sept 2018

- Built company's first production iOS app in Swift for bar/restaurant inventory management; integrated barcode scanning and Bluetooth scale workflow that reduced stock-take time by approximately 70% (90 min to 25 min)
- Core platform IP later pivoted into Milk Moovement, now a Series A dairy-logistics SaaS company

EDUCATION

Memorial University of Newfoundland

St. John's, NL, Canada

B.Sc. in Computer Science and Economics

Sep 2013 – Dec 2018

SKILLS

Programming: TypeScript/JavaScript, Python, Swift, SQL

Frontend: Next.js, React, React Native, Native iOS (Swift)

Backend & Infrastructure: AWS (API Gateway, Lambda, DynamoDB, RDS PostgreSQL, ECS), Docker, Firebase, Supabase

Remote Work: Async-first collaboration, distributed team management, comfortable with ICT timezone (UTC+7) overlapping EU mornings and US evenings