

# 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

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### Atlas Research (atlas-research.io)

*Founder & Solo Developer*

Remote (Bangkok, Thailand)

*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

*Lead Developer*

Remote

*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

*Resident*

Singapore

*Oct 2022 – Jan 2023*

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

### Mysa Smart Thermostats

*Full Stack Developer*

(St. John's, NL, Canada)

*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

*iOS Developer – SAP Business One Integrations*

St. John's, NL, Canada

*Sep 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

*iOS Developer*

St. John's, NL, Canada

*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

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### Memorial University of Newfoundland

*B.Sc. in Computer Science and Economics*

St. John's, NL, Canada

*Sep 2013 – Dec 2018*

## SKILLS

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**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