

# Mark Simpson

Full Stack Developer

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## Summary

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Full Stack Developer specializing in backend development with strong SQL, database design, and system architecture skills. Built and deployed production applications featuring authentication, payments, dashboards, and automated workflows. Professional experience in web development and technical consulting. Former professional hockey player bringing discipline, leadership, and a high-performance mindset to engineering environments.

## Education

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### Bachelor of Computer Science

2016 – 2020

University of New Brunswick, Fredericton, NB

- GPA: 3.7 while being a UNB Reds Hockey Athlete, two-time National Champion and Academic All Canadian and UNB Dean's list.

## Technical Skills

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- Front-end: Javascript, HTML, CSS, EJS, Alpine.js, Vue.js
- Backend & API: Express, Node, Python (ETL scripts, data cleaning, automation jobs, reporting)
- Database: SQLite, MySQL, MS SQL Server, Pocketbase
- Tools: Git, Postman, DigitalOcean, Stripe API, Resend Email API, Google Maps API
- Other Programming Languages: Java, C
- Bilingual in English (native language) and French

## Professional Experience

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### Professional Ice Hockey Player

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| • Sheffield Steelers, EIHL (Sheffield, United Kingdom) | 2023 – 2025 |
| • Asiago Hockey 1935 Srl, ICEHL (Asiago, Italy)        | 2022 – 2023 |
| • Kalpa Kuopio, Liiga (Kuopio, Finland)                | 2022        |
| • Stockton Heat, AHL (Stockton, California)            | 2020 – 2022 |

### Tech Consultant

2025 – Present

Upfront Sports (Remote, Canada)

- Provided strategic guidance on architecture and design for the next-generation platform
- Advised on technical decisions, integrations, and workflow optimizations.
- Supported the roadmap planning technology evaluation for scalability and maintainability

### **Summer Intern Database Administrator**

2017,

2018

JD Irving Ltd. (Saint John, NB)

- Managed and maintained company databases, executed data retrieval and analysis, implemented robust security measures, and collaborated with the IT team to optimize databases.
- Utilized skills in SQL, database management, data analysis, and database security

## **Technical Projects**

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### **Hockey Life Abroad (hockeylifeabroad.com)**

**Tech Stack:** Node JS, Express, Javascript, EJS, SQLite, CSS, HTML

- Full stack web app to help hockey players research European cities and leagues before they move to that city
- Designed relational database schema and API endpoints for user content, reviews, chat board and travel data.
- Integrated Stripe API and Google Maps API to calculate and display travel times between teams.

### **Effortless HQ - Small business invoicing app (effortless-hq.com)**

**Tech Stack:** Node JS, Express, Javascript, EJS, Pocketbase, CSS, HTML, REST API

- Created backend logic for user authentication, job completion, invoice creation, dashboard and automated email notifications.
- Designed database schema and REST API; integrated PocketBase authentication and admin dashboard.
- Implemented automated backend workflows connecting job completion, invoice generation, email notifications, and status updates.

### **HomR - Home Listing App (in progress) (<http://159.203.30.183:1000>)**

**Tech Stack:** Node.js, Express, JavaScript, EJS, PocketBase, Alpine.js, CSS, HTML

- Built a full-stack real estate platform enabling homeowners to list properties, manage offers, and connect with service partners (lawyers, inspectors, plumbers).
- Created backend logic for listing management, user authentication, offer submission, and partner onboarding workflows.

- Designed database schema and REST API; integrated PocketBase for authentication, file storage, and admin dashboard.
- Automating workflows for offer handling, partner subscription management, and property filtering with responsive frontend interface.