

JAMES McCARTHY

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TECHNICAL SUMMARY

Full-stack developer with 6+ years building and maintaining web applications in React, TypeScript, Node.js, and SQL. I design and own features from API to UI, write maintainable code, and support what I ship. I have worked on production systems end to end, from database design and API development to deployment and on-call support, and collaborate closely with QA and product teams.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, SQL

Frameworks & Libraries: React, Redux, Next.js, Node.js, Express.js, NestJS, Flask, jQuery

Databases: SQL, MongoDB, Supabase

Cloud & DevOps: AWS, Microsoft Azure, Netlify, Vercel, Continuous Integration and Continuous Delivery (CI/CD)

Tools & Technologies: Git, Linux, REST APIs, Axios, JSON Web Token (JWT), Responsive Web Design, HTML, CSS, SASS, Jest, Regex, Object-Oriented Programming (OOP), Project Management, Code Review, Code Refactoring

PROFESSIONAL EXPERIENCE

Technical Product Consultant

Hamilton, ON | Jun 2025 – Present

- Acted as a technical partner to help validate early-stage product ideas by designing architecture and building working prototypes.
- Built a data-tracking application that captures daily snapshots of Airbnb listings and preserves full history for comparison over time.
- Developed a Jeopardy-style trivia app based on historical clue data, focused on clean UI and enjoyable gameplay.
- Owned implementation end to end across frontend (React, TypeScript) and backend services, with deployment and ongoing iteration.

Web Developer

Civix | Remote | Apr 2022 – Jun 2025

- Built full-stack features for SaaS emergency grants management used by U.S. state agencies.
- Developed frontend modules with React and jQuery and integrated with NestJS backend APIs.
- Wrote and optimized SQL procedures and functions for document generation and automated alerts.
- Diagnosed and fixed production issues across frontend and backend; delivered reusable, documented solutions.
- Wrote technical documentation and mentored developers on practices and patterns.
- Worked with business analysts and QA to deliver testable, user-focused features.

Web Developer

Clearcable | Dundas, ON | Apr 2020 – Apr 2022

- Built and maintained full-stack software for ISP operations: provisioning, broadband metrics, and hardware inventory.
- Developed REST APIs and data visualizations for network and system monitoring.

- Provided on-call support for international clients; resolved critical bugs and access issues.
- Produced IP log analysis and reports for law enforcement and regulatory compliance.

Software Development Co-op

Evenica | Burlington, ON | Aug 2017 – Aug 2018

- Supported QA and development of web-based tools; improved UI and usability.
- Wrote technical documentation and test scripts for ongoing development.
- Worked with senior developers to debug and refine application features.

PROJECTS

Trivia Master — Full-Stack Jeopardy-Style Trivia Application

- Portfolio project built from personal interest in Jeopardy and trivia. Single-player web app with three rounds (Jeopardy, Double Jeopardy, Final Jeopardy), Daily Doubles, and wagering.
- Backend (NestJS) owns all game rules, scoring, and wager validation; frontend (Next.js) is a thin client that displays server state and sends actions. No business logic in the UI.
- Implemented Supabase Auth and JWT-protected APIs; ingested clue data from TSV files into PostgreSQL via Prisma. Docker Compose for local development.
- Deployed backend to AWS ECS and frontend to S3 behind CloudFront; CI/CD with GitHub Actions. Live demo: www.triviamaster.dev

EDUCATION

Ontario College Advanced Diploma, Software Development

Mohawk College | Hamilton, ON | 2020

Honours Graduate

Bachelor of Arts, History / Political Science

University of Toronto | Toronto, ON | 2014