

# Jordan Fulawka

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## EDUCATION

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### University of Guelph

*Bachelor of Computing, Minor in Mathematics*

**Scholarships:** President's Gold Entrance Scholarship, Earl B. MacNaughton Entrance Scholarship

**Academic Standing:** 4.0 GPA

Completed April 2026

*Guelph, ON*

## TECHNICAL SKILLS

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**Languages:** JavaScript/TypeScript (ES6+), Python, SQL, Java, C

**Web Development:** React, Next.js, Node.js, Express.js, WebSockets, REST APIs, OAuth, Tailwind CSS

**Databases & Caching:** Microsoft SQL Server, PostgreSQL, MongoDB, Redis

**Tools & Technologies:** Git, GitHub Actions (CI/CD), Docker, AWS (Lambda, ECS, CloudFormation), nginx, Tableau

## EXPERIENCE

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### Application Developer

January 2025 – September 2025

*Kenna*

*Mississauga, ON*

- Shipped production React interfaces on the public-facing BASF AgPro platform, streamlining order management and field reporting workflows for growers and vendors
- Built a notification dashboard consolidating time-sensitive, pending alerts into a single interface for three distinct user types: growers, sales reps, and internal staff - surfacing only what each role needed
- Developed Node.js/Express APIs backed by stored procedures in Microsoft SQL Server, with input validation, error handling, and route-level business logic for agricultural data workflows
- Wrote Mocha test suites covering frontend interface behavior to catch regressions before release

### BI Software Developer

May 2024 – August 2024

*Kenna*

*Remote*

- Authored and optimized SQL stored procedures powering business-critical reports used by hundreds of BASF representatives across Canada
- Built interactive Tableau dashboards that turned complex agricultural KPIs into visualizations business teams could act on directly
- Partnered with stakeholders to translate reporting requirements into maintainable data pipelines, iterating on deliverables through feedback cycles

### Data Reporting Assistant

May 2023 – December 2023

*Kenna*

*Remote*

- Wrote and maintained SQL scripts to extract and transform operational data for reports reaching 50+ internal and client-facing stakeholders
- Performed QA on data extracts using Excel and SQL to validate accuracy before stakeholder distribution

## PROJECTS

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### Gather | *Node.js, Express, Socket.IO, PostgreSQL, Redis, nginx, Docker*

- Scaled a real-time chat application to a distributed architecture with two independent Node.js/Socket.IO servers behind an nginx load balancer configured as a reverse proxy with sticky sessions
- Implemented Redis pub/sub to synchronize WebSocket events and coordinate distributed presence and room state across server instances, with PostgreSQL handling persistent message storage
- Set up continuous deployment with a GitHub Actions pipeline that builds the Docker image and deploys to a self-managed VPS over SSH on every push to main

### Weave | *React, Node.js, Express, PostgreSQL, Yjs, Tiptap, React Flow*

- Built a real-time collaborative note editor using Yjs CRDTs and Tiptap, enabling concurrent multi-user editing with automatic conflict resolution and no server-side merge logic
- Persisted document state to PostgreSQL using periodic CRDT snapshots, allowing sessions to resume from consistent state without replaying full operation history
- Implemented an interactive knowledge graph using React Flow, visualizing interconnected notes as a navigable node graph with live edge relationships

### FitCheck | *Next.js, TypeScript, MongoDB, Tailwind CSS, Anthropic API*

- Built a full-stack job-application tracker in Next.js 14 with a Kanban board, paginated list view, and a MongoDB-backed analytics dashboard surfacing daily and monthly activity
- Added an AI fit-check feature using the Anthropic Claude API that parses a user's uploaded resume server-side, scores it against a tracked job's description, and returns structured skill-gap analysis and recommendations
- Implemented Google OAuth via NextAuth with per-user data isolation across all CRUD and aggregation endpoints, following secure multi-tenant patterns