Jonathan Young

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SUMMARY

Full stack developer experienced in building web applications and solving business problems with an array of technologies including **Javascript**, **Node.js**, **GraphQl**, and **SQL**. I'm a self-starter and quick learner who's not afraid to learn something new and apply it to any given task.

PROFESSIONAL EXPERIENCE

Full Stack Developer (contract)   2024 - Present

LA Film Lab and Studio, Los Angeles, CA

Developed full-stack solutions with event-driven architecture using TypeScript, Vue.js, and Node.js with Supabase as the backend-as-a-service, delivering mission-critical features that drove operational efficiency and customer engagement beyond growth expectations for a team of our size

- **Implemented** a real-time pub/sub event architecture with SSE and WebSockets, enabling instant order updates across all platforms
- **Built** RESTful API endpoints that retrieves and updates order information between Square's e-commerce SDK and Supabase database, resulting in seamless order management
- **Developed** optimized kiosks with Vue.js and TypeScript with centralized state management for order entry that reduced process time by 25% and reduced manual errors
- **Created** database migration tools and stored procedures with Javascript and SQL, leading to successful database migrations

Web Developer (contract)   2023 - 2024

Greater Boston Snow Removal, Boston MA (Hybrid Remote)

Developed scalable web applications that transformed the company into Boston's market leader, growing from 4 to 80+ employees through coordinated dispatch and real-time communications

- **Built** location-based worker matching system using Google Cloud API and MongoDB geospatial indexing, improving service time by 40%
- **Engineered** SMS management functionality with Twilio SDK, allowing for coordinated dispatch and updates

Business Analyst / Operations Manager   2020 - 2023

Greater Boston Snow Removal, Boston MA

Managed multiple operations teams and implemented route optimizations that reduced operational costs by 25%

Leveraged Excel and SQL to create dashboards for KPI tracking and business intelligence, driving strategic decision-making

Applied operational optimization experience to enhance software decisions in subsequent role as Web Developer, creating scalable solutions based on real-world business processes

TECHNICAL PROJECTS

Query Builder

Developed platform that enables data analysts and developers to execute custom queries and build analytics tools

- **Implemented** RESTful APIs for PostgreSQL, MySQL, and MongoDB databases, allowing efficient data retrieval and processing
- **Applied** data validation and error handling for robust data processing

Placenotes

Developed location-based social platform enabling contextual note-taking and message delivery based on users' physical locations

- **Engineered** a high-performance data architecture with geospatial indexing and real-time updates using MongoDB, REST, and GraphQL
- **Built** end-to-end JWT authentication across React frontend, Express.js middleware, and API endpoints, allowing secure user access

TECHNICAL SKILLS

Typescript/Javascript, Node.js

SQL, PostgresSQL, MongoDB

Git, Linux environments, Docker, Bash

GraphQL, RESTful web services

Agile and Lean methodologies

EDUCATION

Per Scholas   2024

Software Engineering Intensive, GPA: 4.0

Intensive training in Javascript and MERN full stack development, achieving top performance (4.0 GPA)

University Of Massachusetts Chan Medical School   2014 - 2018

M.D. Candidate

Developed clinical decision support tools and won American College of Physicians National Abstract Competition *Publications:*

- Pretending to Be the Great Pretender. *ACP Impact*, October 2016.
- A Chemokine Protective Shield for Islet Transplantation. *Digestive Disease Interventions*, Boston, MA.

Tufts University   2007 - 2010

B.Sc. Magna Cum Laude with Thesis Honors

- Managed IT infrastructure as Computer Lab Administrator at Eliot-Pearson Children's School, later earning Red Hat Certified System Administrator (RHCSA) certification