

JACK GRACE


Toronto, ON

 Jack Grace

 JGrace99

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Summary

Software Engineer with a BSc in Molecular Biology and Biotechnology and a Computer Programming diploma, bringing strong analytical and problem-solving skills from scientific research to software development. Proficient in full-stack technologies including React, Python/Flask, Node.js, PHP, Java, with expertise in database architecture and design (SQL, MongoDB, PostgreSQL, NoSQL) and APIs (REST, GraphQL). Experienced with AWS cloud infrastructure, DevOps tools (Docker, Git, CI/CD), and Linux environments. Knowledge of Software QA methodologies and testing frameworks Strong interest in Data Engineering and ETL pipelines.

Technical Skills

Frontend: React, Javascript/Typescript, HTML/SCSS, Vue, Blazor, Responsive Design, Accessibility (WCAG 2.1 AA)

Backend & APIs: Python, Flask, Node.js, PHP, Java, C/C++, C#, SQL/NoSQL, MongoDB, PostgreSQL, GraphQL, REST, ASP.NET

Cloud & DevOps: AWS (ECS, Lambda, RDS/S3, DocumentDB, DynamoDB), Docker, Git, CI/CD, Linux, Bash, Jupyter, MS Azure

Work Experience

Tutoring & Learning Center - George Brown Polytechnic

Toronto, ON

Academic Tutor

Aug 2025 — Present

- Provide personalized academic support to college students across STEM disciplines including Mathematics, Physics, Biology, Chemistry, and Computer Programming
- Simplify complex scientific and mathematical concepts through tailored teaching approaches, helping students strengthen their understanding and improve academic performance.
- Develop custom study materials and problem-solving strategies to address individual learning needs and course requirements.

LifeLabs

Toronto, ON

Medical Laboratory Assistant

Mar 2024 — Aug 2024

- Respond to client inquiries and worked in cooperation with different lab departments
- Unpack and sort incoming specimens received from sources including physicians, clinics, hospitals, and mobile LifeLabs technicians
- Confirm the accuracy of all patient information on requisitions and specimen samples, resolve problems or inaccuracies prior to testing, and perform required data entry

Mira Mira Restaurant

Toronto, ON

Restaurant Manager

Jun 2021 — Aug 2023

- Responsible for hiring, training, and supervising staff. Creating employee schedules and maintaining cost-effective coverage while staying within labour budget
- Developed and implemented marketing and promotional strategies to increase restaurant presence and operational strategies to improve sales growth, profitability, and overall guest satisfaction
- Redesigned tip structure program to improve transparency and equality
- Developed a semi-automated inventory management and ordering system to organize delivery requests to various suppliers.

Projects

Reach - The Platform To Party | Python, Swift, MongoDB, DynamoDB, Flask, AWS ECS, React

- Designed, developed, and launched a social events platform across **iOS** and **web**, reaching **200+** users with a **4.2**-star rating.
- Architected a scalable backend using **Python + AWS (ECS, Lambda, S3, RDS/DocumentDB)**, enabling real-time event discovery, media storage, caching, and secure authentication.
- Created a web app version for easier user access; containerized and hosted utilizing **5+ AWS services**.
- Implemented event creation flows, invite systems, image storage, analytics, and share-ready link previews (**OpenGraph**).

Education

George Brown Polytechnic, School of Computer Technology

Toronto, ON

Ontario College Diploma; Computer Programming - GPA: 3.95

Sept 2024 — Apr 2026

University of Toronto, Department of Biological Sciences

Toronto, ON

Honours Bachelor of Science; Molecular Biology & Biotechnology Specialist - GPA 3.7

Sept 2017 — Aug 2021