Arjun Mehta

Software Developer Co-op | Backend Developer Co-op

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PROFESSIONAL SUMMARY

Software engineering graduate with two backend co-op terms shipping Python and Go services to production. Comfortable writing tests first, reading unfamiliar codebases and owning small features from ticket to deploy. Looking for a new-grad backend or platform role on a team that values code review and on-call learning.

EXPERIENCE & PROJECTS

Cobaltline Systems · Waterloo, ON **May 2025 — Aug 2025**

Software Developer Co-op

- Built a Go service that validates partner inventory files before import, catching malformed rows that previously failed nightly jobs and paged the on-call engineer.
- Added pagination and query indexes to a PostgreSQL-backed REST endpoint, cutting p95 response time from 1.8 seconds to 420 milliseconds on the largest customer accounts.
- Wrote 60 table-driven unit tests and a GitHub Actions workflow that runs them on every pull request for a service that had no automated checks.

Tidewater Health Tech · Toronto, ON **Sep 2024 — Dec 2024**

Backend Developer Co-op

- Implemented three FastAPI endpoints for appointment reminders, including input validation and audit logging required by the clinic data-retention policy.
- Fixed 14 bugs from the support queue, writing a regression test for each before the fix so the same issue could not ship twice.

Transit Delay Tracker (open source)

- Built a TypeScript and React dashboard over a public GTFS feed, with a Python ingestion job in Docker that stores six months of delay history in PostgreSQL.

Capstone: Peer Tutoring Scheduler

- Led a four-person team that delivered a scheduling app used by 120 students during the winter term, owning the API, database schema and deployment.

EDUCATION

BASc, Software Engineering (Co-op) **2026**

Maplecrest University

SKILLS

Technical: Python, Go, TypeScript, SQL, PostgreSQL, FastAPI, React, Docker, GitHub Actions, pytest, Linux, REST API design