

Imad Mouhtassem

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SUMMARY

Engineering leader with 10+ years backend experience and proven track record leading and mentoring teams building high-reliability distributed systems for enterprise SaaS. Combines technical expertise with people leadership, team growth, and delivery execution.

SKILLS

Leadership	Team Leadership, Mentorship, Hiring Expertise, Technical Guidance, Agile Development
Technology	Python, Java, Flask, Django, MongoDB, MySQL, Celery, Redis, RabbitMQ, pytest, Docker, APIs

EXPERIENCE

Independent Consultant

Toronto, Canada

Backend Development & Technical Architecture

January 2025 - Present

- Technical architecture and backend development for early-stage SaaS startup: multi-tenant system design, database schema modeling, API design, deployment planning, and development timeline management
- Projects include legal compliance tracking platforms and regulatory inventory systems using Python/Flask, PostgreSQL

Deliverect

Toronto, Canada

Software Development Team Lead - Backend

May 2021 - Oct 2024

Led backend engineering team for restaurant technology platform integrating food delivery channels (Uber Eats, DoorDash, Deliveroo) with POS systems, serving enterprise clients including Burger King, KFC, and Little Caesars across global markets.

- Led team of 5 backend engineers with **95% test coverage** enforcement via pytest/Jenkins, achieving near-zero production incidents; mentored developer to senior level through structured technical reviews and pair programming
- Architected and led rebuilding of **core financial processing architecture** supporting North American tax structures, enabling acquisition of Burger King, Chipotle, Popeyes (**8,000+ restaurant locations**) with zero-downtime production migration
- Led team contributions to **high-throughput event-driven order processing system** using **Python, MongoDB, Celery, RabbitMQ**, ensuring reliable asynchronous data flow for platform processing **1 billion+ total orders**
- Optimized **distributed microservices architecture** supporting **50+ concurrent API integrations**, improving uptime from 98% to **99.8%** through circuit breaker patterns and intelligent load balancing
- Integrated **40+ third-party REST and async APIs** (Uber Eats, DoorDash, Deliveroo), reducing timeout rates by **65%** and improving vendor response reliability through enhanced retry logic and request validation
- Developed **API data transformation layer** using Pydantic, writing parsing logic to normalize diverse delivery platform formats into standardized internal schemas
- Led **enterprise platform migration** through RFC-driven database schema changes supporting multi-location management for large restaurant chains

Backend Developer

October 2020 - May 2021

- Developed and maintained integrations with third-party **APIs** using **Python 3, REST, and SOAP** protocols, enhancing product capabilities and system interoperability
- Diagnosed and debugged operational issues in production environments, ensuring timely resolution and minimizing system downtime through rapid hotfix development and deployment

Nown

Toronto, Canada

Backend Engineer

March 2019 - October 2020

Point-of-sale and customer analytics platform serving local retailers with 1M+ monthly transactions

- Designed and developed **backend features** for point-of-sale system used by retailers including OVO, Real Fruit Bubble Tea, and university campuses, supporting over 100k active users
- Integrated POS system with third-party employee accounting APIs (ADP, 7shifts) and developed secure internal API endpoints for mobile applications
- Migrated critical accounting code from front-end JavaScript to **backend Java**, optimizing numerical precision and performance using SQL aggregation and streams/lambda

Cyphrs

Embedded Software Engineer

Toronto, Canada
June 2018 - February 2019

Crypto-currency product development with hardware prototyping

- Developed C firmware to securely generate, display, and print wallet keys for various cryptocurrencies (Bitcoin, Ethereum, Litecoin)
- Designed hardware prototype with screen/printer/SD reader and reverse engineered signal-level protocols for ROM/RAM chips

BikeSpaceTO (bikespace.ca)

Full Stack Engineer

Toronto, Canada
January 2018 - September 2018

Community web application in partnership with City of Toronto and Cycle Toronto

- Developed **public API** for city bike parking data and citizen submission system for infrastructure requests in collaboration with Code for Canada and City of Toronto

Pause Productions Inc.

Backend Engineer

Oakville, Canada
March 2015 - June 2016

Sheridan Centre for Elder Research

Backend Engineer

Oakville, Canada
April 2014 - October 2014

COMMUNITY LEADERSHIP

Civic Tech Toronto

Co-organizer

Toronto, Canada
January 2018 - May 2022

- Organized weekly meetups and annual CodeAcross Toronto conference connecting technologists with civic initiatives
- Led "Civic Tech 101" seminars to onboard newcomers and match technical skills with community projects

EDUCATION

Computer Programming/Engineering — Honours, Sheridan College

2013 - 2014

Internet Communication Technology — Co-op, Sheridan College

2010 - 2013

Computer Science, University of Toronto

2009 - 2010