Taha Hashim

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EDUCATION

University of Toronto — Expected 2026
Honours in Bachelors of Science (H.Bsc.), Computer Science and Mathematics
- Cumulative GPA: **3.84/4.0**
- Dean's List Scholar (2023, 2024, 2025)

Relevant Coursework: Algorithms, Databases, Systems Programming, Software Engineering, Information Security

TECHNICAL SKILLS

Languages: Python, Java, C, C#, JavaScript, TypeScript, SQL, Bash, HTML/CSS
Frameworks & Libraries: React, Next.js, Node.js, Express, ASP.NET, JavaFX, JUnit, Selenium
Technologies & Tools: PostgreSQL, MongoDB, Docker, AWS Lambda, DynamoDB, Kubernetes, RESTful API Design

EXPERIENCE

Amazon Web Services — May. 2025 – Aug. 2025
Software Development Engineer Intern — *Vancouver, British Columbia*
- Designed and deployed a large-scale monitoring system tracking end-to-end S3 connectivity across **30+** AWS regions and networks, enabling proactive detection of failures before they **impacted millions of customers**
- Implemented a root cause detection algorithm separating customer-impacting outages from non-impacting patterns, enabling faster investigation and response, validated through gameday simulations and **real incidents**
- Built serverless workflows with **AWS Lambda**, **DynamoDB**, **API Gateway**, and **S3** caching, processing **400 million+** metrics daily with sub-second query latency, cutting data collection from 5 minutes to ≤**18s**
- Delivered a live incident dashboard that reduced operator response time by **90%** via automated traffic rerouting

Acadia University — Jan. 2025 – Apr. 2025
Software Developer — *Wolfville, Nova Scotia*
- Developed a full-stack web app digitizing SMILE's participant and volunteer workflows, eliminating paper processes, saving staff **10+** hours of admin work weekly, and serving **700+ users** each semester
- Built secure authentication and role-based access control with **NextAuth** and **Prisma**, safeguarding sensitive health data while enabling smooth onboarding and safe account management for families and volunteers
- Designed responsive dashboards and scheduling tools with **Next.js** and **Postgres**, using Prisma indexing and query optimizations for real-time tracking of attendance, goals, and program activities across devices
- Led API design with **OpenAPI** and **Jest** testing, deploying on Vercel/Supabase for scalable releases

Ericsson — May. 2024 – Aug. 2024
Integration Engineer Co-op — *Toronto, Ontario*
- Built an SD-WAN orchestration tool automating network provisioning, cutting setup from **hours to minutes**
- Engineered an automation framework using **Python**, **Robot Framework**, and **Selenium**, eliminating repetitive network validations, saving **400+ hours**, and improving reliability while accelerating integration cycles
- Dockerized and integrated with **GitLab CI/CD**, enabling async execution and **90%** automation coverage
- Deployed the framework with **Kubernetes**, scaling automated validations across environments

Akhny Solutions Inc. — May. 2023 – Aug. 2023
Software Engineer Intern — *Toronto, Ontario*
- Built a full-stack grocery app with admin dashboards and customer storefront, digitizing a catalog of **500+** products and streamlining order management, payments, and checkout workflows
- Designed **REST APIs** and a relational data model in **ASP.NET C#** and **SQL Server**, applying constraints, transactions, and indexing to ensure reliable consistency of inventory, orders, and user data
- Reduced page load time by **30%** through SQL indexing, server-side pagination, and efficient caching

PROJECTS

FlyNext | *Next.js, Prisma, PostgreSQL, Docker, Tailwind* ⌥
- Built a full-stack travel booking app with hotel & flight reservations and role-based access for users and owners
- Designed **REST APIs** and relational schema in **Node.js** and **PostgreSQL**, ensuring consistent data integrity
- Developed a responsive frontend with **Next.js** and **Tailwind CSS**, supporting search, filtering, cart, and checkout
- Integrated **JWT authentication** and secure session handling with cookies to protect user data