AHMED ABDULJADER

Toronto, Ontario

🔍 ahmedabduljader.com | 🔗 linkedin.com/in/Ahmed-Abduljader | ⬛ github.com/AhmedJader

Education

York University — Expected Apr. 2027
Honours Bachelor of Science in Computer Science, Co-op Program — *Toronto, ON*
- **Awards**: Entrance Scholarship ($1,500) | TerraHackathon 2nd prize ($1200) | B.E.S.T Project ($600) | Provost Scholarship ($500) | Experience Venture Award ($325)
- **Courses**: Databases (MySQL) | Advanced OOP (Java) | Computer Organization | Software Design | Development (Python, C#, Java)
- **Leadership**: Cloud Operations Lead (AWS Cloud Club) | FullStack Dev (CtrlHackDel YorkU) | AI/ML Research (AI4Impact)

Experience

Full Stack Developer — Aug. 2025 - Present
CTRL+HACK+DELETE — *Toronto, ON*
- Designed and built a full-stack web platform engineered to **support 2,000+ users** while **processing 10,000+** persisted application, profile, and event records, ensuring stable operation during live event workflows.
- Implemented **AWS SES email pipelines** to reliably send **thousands of transactional** and broadcast messages for onboarding, announcements, and live event communications.
- Refactored the TypeScript + React frontend to improve rendering performance and ensure stable behavior across a wide range of devices and usage conditions.

Cloud Operations Lead — Nov. 2025 - Present
Amazon Web Services @ YorkU — *Toronto, ON*
- Built and deployed **containerized** microservices using **AWS ECS Fargate**, integrating them with **AWS Amplify**–managed application infrastructure to support internal cloud team workflows.
- Integrated backend service logs and operational metrics with **Amazon CloudWatch** to monitor request behavior, identify failures, and support alerting.
- Designed and managed **IAM role hierarchies** and custom permission policies, enforcing least-privilege access and secure service interactions across shared AWS resources.

Software Engineering Intern — Nov. 2025 - Jan. 2026
Blue Marble Academy — *Toronto, ON*
- Implemented Smart Assist backend functionality by integrating **3 Azure OpenAI endpoints** into **FastAPI services** and creating a **reusable** prompt-processing layer, **enabling 2 new** AI study modules.
- Refactored the Smart Summarizer pipeline by stabilizing **Azure OpenAI outputs** and enforcing strict bullet/Q&A formatting rules, **reducing** malformed responses by **over 50%** and improving UI rendering reliability.
- Resolved dependency conflicts in the **Python/FastAPI** stack and standardized the project's development environment, **improving dev onboarding** reliability and **reducing setup time** for new team members.
- Conducted end-to-end testing across **6+ core user flows**, identifying **15+ routing, API, and UI defects** impacting new student experiences.

Projects

DevDoc: Agentic AI-RAG VS Code Extension | GitHub | *Next.js, TypeScript, PostgreSQL, Drizzle ORM, Vercel AI SDK*
- Grossed **1800+ users** on the VS Code Marketplace and **20K+ post views** on LinkedIn, validating developer demand and adoption of a next-gen AI coding assistant.
- **Served thousands of coding sessions**, processing over **1.3M tokens** and **3K+ embedding queries** demonstrating real traction and product-scale reliability.
- Integrated **agentic tool calls** and **real-time documentation retrieval**, allowing DevDoc to pull live framework updates, **detect CVEs**, and generate context-aware code suggestions directly within VS Code.
- Streamlined developer workflows by **cutting API lookups** and context switching, boosting focus and coding efficiency across active sessions.

Arnold AI: Intelligent Fitness Assistant | GitHub | *Next.js, Three.js, Gemini, MediaPipe, Google Cloud APIs, Vercel*
- Awarded **TerraHacks 2025 2nd overall Prize ($1,200)** for demonstrating the Best Use of Emerging Technology through an AI-powered fitness and rehabilitation coach.
- Developed a real-time coaching pipeline by integrating **MediaPipe Pose** with Gemini 2.5 Pro, enabling safe, context-aware form correction streamed as text and audio.
- Delivered a seamless end-user experience by syncing adaptive plans with **Google APIs across devices** and **optimizing 3D + API performance** for smooth use on mobile and edge environments.

Technical Skills

Languages: Python, Java, C#, JavaScript, Typescript, SQL
Databases: PostgreSQL, MySQL, NeonDB, MongoDB, AWS S3
Frameworks: React, Node.js, Express.js, Angular, FastAPI, TailwindCSS, Django, Next.js
Cloud & DevOps: Azure, AWS ECS, Fargate, ECR, IAM, CloudWatch, Docker, Git