Akram Jamil

📞 (647) 406-5311 | ✉ akramjamil13@gmail.com | 🔗 /in/akramjamil | ⭕ github.com/akramj13 | 🔗 akramj.work

TECHNICAL SKILLS

Programming Languages	Python, Java, TypeScript, JavaScript, C/C++, PHP, SQL, HTML/CSS
Frameworks/Libraries	React.js, Next.js, Node.js, Express.js, FastAPI, Django, Apache Server
Tools/Technologies	PostgreSQL, MySQL, Supabase, MongoDB, AWS, GCP, Postman, Git, Docker, TailwindCSS

EDUCATION

University of Waterloo   3.72/4.00 GPA | **Expected Graduation: 2028**
Bachelor of Computer Science and Financial Management, Honours, (Co-op)   *Waterloo, Canada*
- **Awards:** President's Scholarship of Distinction ($2000), Computing & Financial Management Scholarship ($5000)
- **Courses:** Algorithm Design & Data Abstraction, Functional Programming, Financial Markets & Data Analytics

PROFESSIONAL EXPERIENCE

Full Stack Developer (Co-op)   May 2025 – present
Wellington-Dufferin-Guelph Public Health | PHP, MySQL, Linux, Python, Docker, Kubernetes   *Guelph, Canada (Hybrid)*
- Designing a patient immunization database and dashboard for **77 schools** in the Guelph region, with **PHP** and **MySQL**.
- Building **data pipelines** with **Python** and **Docker** to perform ETL processing on CSV files, handling **100,000+** data points.

Software Engineering Intern   Feb 2025 – Apr 2025
Agile Creative Labs | Apache Cordova, Node.js, Express.js, Python, Django, MySQL, Docker   *Ottawa, Canada (Remote)*
- Developed a **mobile frontend** for an education platform using **Apache Cordova**, to integrate with **4 different features**.
- Built API endpoints and authentication systems in **Express.js**, **Django**, and **MySQL**, improving data flow efficiency by **30%**.
- Collaborated on development in Agile sprints within an **8**-person team, implementing **CI/CD practices** and code reviews.

Software Engineer   Jan 2025 – present
Stealth Startup | TypeScript, Next.js, Tailwind CSS, Supabase, AWS (Lambda, S3), Clerk   *Toronto, Canada (Remote)*
- Redesigned landing page, dashboard, and user logic with **Next.js & Supabase** for **1000+ concurrent user sessions**.
- Engineered a video rendering pipeline with **Remotion's composer**, achieving **35%** improvement via caching with Redis.
- Developed RESTful APIs for user dashboards and video rendering pages, reducing API response latency by **30%**.

Information Technology Intern   Jun 2024 – Sep 2024
Canada Cartage Systems Limited   *Mississauga, Canada*
- Implemented streamlined **telecom infrastructure** using **Samsung Knox**, improving scalability across **35+ regional offices**.
- Worked with 10 team members to deploy a company-wide logistics infrastructure upgrade, enabling **10,000+** daily requests.

PROJECTS

🔗 ⭕ **AlzGuard (YIC Startup Winner)** | *TensorFlow, Scikit-Learn, React.js, Flask*
- Won a **$1,000** award by building a full-stack AI Alzheimer's detection application using **React.js** and **Python**.
- **Led a team of 3** to code a machine learning random forest classifier using **Scikit-Learn** to analyze **2,000+** MRI scans.
- Trained a deep learning CNN using **TensorFlow** to determine how likely a patient has Alzheimer's, with **85.3%** accuracy.

🔗 ⭕ **EchoDoc** | *Next.js, TypeScript, Express.js, Node.js, PostgreSQL, ElevenLabs, Twilio*
- Developed a full-stack AI health assistant platform for doctors to handle 20+ concurrent patient calls with a cloned voice.
- Built voice call agents using **Twilio**, **ElevenLabs**, and **Gemini's REST APIs** to save doctors **7+ hours per week**.
- Implemented a dashboard with **20+ AI voice agents** using **PostgreSQL** to personalize calls based on patient health data.

🔗 ⭕ **LearnETF (Sunlife Case @ GeeseHacks Winner)** | *Next.js, TypeScript, Plotly, Flask*
- Created a full-stack fintech education platform with **15** study modules to educate GenZ investors, winning **$400**.
- Retrieved stock data dynamically using **yfinance** and **Plotly** to build **2 interactive candlestick charts** per module.
- Simulated portfolio returns using **NumPy** and **Pandas** to allow users to explore the performance of **100,000+ stocks**.

🔗 ⭕ **Voice Synthesis AI** | *Next.js, TypeScript, TailwindCSS, AWS S3, PostgreSQL, Drizzle*
- Developed a full-stack AI voiceover generator using **Next.js 14** server components and integrating **Google Gemini**.
- Managed database operations using **PostgreSQL** and **Drizzle ORM** to store and retrieve user-generated content efficiently.
- Configured **AWS S3** for secure file storage, enabling fast retrieval and storage of **50,000+** audio files for **200+ current users**.