

Afrokk Khan

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SUMMARY

Full Stack Software Engineer with a tech/design industry journey, managing a **1.7M subs YT channel**, **former founder of a tech news website**, and an avid **freelancer** with works featured in **Forbes**, **Uber**, and **more**.

EDUCATION

Bachelor's in Computer Science, Minor in Comms., Media & Film | **University of Windsor** | 01/2021 – 12/2023

- **Distinctions:** President's Roll 2022, Dean's Honor Roll 2021-2023. **CGPA: 3.8/4.0**

SKILLS

Languages: C, Java, Python, JavaScript, TypeScript, PostgreSQL, MySQL, HTML, CSS, SCSS/SASS,
Frameworks: React, Node.js, Bun, Flask, Vue.js, Next.js, Nuxt, Express.js, Prisma, Bootstrap, Tailwind
Tools: Git, Docker, Jira, REST APIs, CI/CD, Adobe Suite, Figma, Unit Testing, Jest, Vitest

EXPERIENCE

McGill University | **Software Developer** | 04/2024 – Present – *Montreal, QC*

- Part of the CHIME/FRB team @ McGill, developing web-based tools & infrastructure for **1.5 Petabytes/day** astrophysical data analysis and maintaining a high-performance computing cluster.
- Crafted **real-time** data visualization dashboard for researchers to view and classify satellite data.

xeetechcare (YouTube channel) | **Creative Development Manager** | 03/2019 – Present, *Remote*

- Directing a **1.7 million subscribers** YouTube channel to produce tech content for a worldwide audience.
- Managing partnerships with top-tier brands including **Samsung**, **Google**, **Chevrolet**, & more across sectors.
- Engineered a **server-side rendered Vue.js channel website** with YouTube & TikTok **API integrations** and an interactive Discord **Python chatbot** to boost community engagement.
- Generating over **5 million monthly views** by producing videos on emerging tech, spanning smartphones, computers, electric vehicles, and more.

GeeksULTD | **Co-Founder & Developer** | 05/2016 – 02/2019 – *Remote*

- Established and piloted GeeksULTD.COM, a technology/gaming-based website for **3+** years.
- Achieved **2x** faster load times by optimizing JavaScript & CSS and integrating **CDN** technologies like Cloudflare.
- Authored **550+** tech articles with **100K+** monthly viewers, partnering with brands like **Razer**, **Logitech** and more.
- Led the migration of the WordPress site and MySQL database to Linode/DigitalOcean **VPS** servers.

PROJECTS (more on afrokk.dev)

litmus.tools | *TypeScript, React, SASS, WebAssembly, JavaScript, Vercel* | [GitHub.com/Afrokk/litmus.tools](https://github.com/Afrokk/litmus.tools)

- Engineered a fast, **geography-specific** tax calculator and budgeting tool.
- Leveraged **US NBER** data for precise, **ZIP-code specific** insights on users' savings and earnings.

xeetechcare.com | *Vue.js, TypeScript, Nuxt, Three.js, GSAP, Tailwind, SSR* | [Github.com/Afrokk/xeetechcare.com](https://github.com/Afrokk/xeetechcare.com)

- Developed a **Nuxt 3** website enhancing user engagement by **40%** via dynamic updates from social media **APIs**, improved data fetching with **serverless functions** and enhanced **UX** using **Three.js**, and **GSAP** animations.

EXTRACURRICULARS

- **NASA SpaceApps 2023:** Won **1st** at SpaceApps 2023 regional (50+ teams) with a [live fire detection system](#).
- **CS Games 2023:** Implemented **cross-platform microservices**, representing uWindsor in Quebec.