Finnbarr O'Callahan

Software Engineer | Toronto, Ontario, Canada

hello@fnnbrr.com
fnnbrr.com

SKILLS

- **Languages:** JavaScript/TypeScript, C#, Python, SQL, HTML, CSS, C, HLSL
- **Frameworks/Libraries:** React, Node, Express, Svelte, Unity, Three.js, PostgreSQL, SQLite
- **Tools/Services:** AWS, GCP, Azure, Cloudflare, Grafana, GitHub Actions, TeamCity, Jest/Vitest, Git

EXPERIENCE

- **Sago Mini:** Software Engineer   Jul 2024 - Jun 2025
  - Led 3 major project proposals including breakdown of tasks, dev time estimates, and prototyping
  - Refactored visual testing pipeline to run 2.5x faster and automate QA in 99%+ of cases
  - Automated documentation generation using GitHub Actions and TeamCity
  - Lead support engineer for internal Piknik platform SDK handling accounts, payments, etc.
  - Implemented CI to automate reviews of changes to internal platform SDK
- **No Bloat Studios:** Co-founder and Lead Software Engineer   Oct 2020 - Dec 2023
  - Architect and lead engineer for a cross-platform online game in Unity/C# reaching 70k+ users across mobile, desktop, and web with a 95% positive rating (store page)
  - Solo backend and DevOps engineer, implemented account management, payment processing, etc.
  - Built Grafana BI dashboards running SQL queries on telemetry and analytics databases
  - Developed a GPU-accelerated 2D lighting system to optimize rendering on mobile and WebGL
  - Reverse-engineered voice chat SDK to add cross-platform support between desktop/mobile/web
- **University of Toronto:** Lead developer on automated testing research   May 2019 - Sept 2019
- **Sikorsky Aircraft:** Capture manager intern on U.S. and German govt contracts   May 2018 - Aug 2018
- **United States Marine Corps:** Officer candidate and honorary squad leader   May 2017 - July 2017

PROJECTS

- **Polysnip:** Full-stack React app to unwrap 3D models into printable papercraft sheets (visit)
  - React + TypeScript, Three.js, Vitest, Node, SQL, SQLite, Cloudflare serverless infrastructure
- **CurbFinder:** Full-stack React app to share and find free curbside items in your area (visit)
  - React + TypeScript, Node + Express, PostgreSQL + PostGIS, TypeORM, GCP
- **Health Insurance Claim Denier:** Svelte + TypeScript satirical game, 15k+ players (visit) (code)
- **DSi Distortion Camera:** TypeScript + Three.js app to playfully distort camera feed (visit) (code)

EDUCATION

University of Toronto: B.S. - Computer Science Major, English Minor   Sept 2016 - Apr 2020
- GPA: 3.6

VOLUNTEERING

- **Start2Finish:** Fitness and literacy coach for underprivileged children   Oct 2016 - Present
- **Toronto Nature Stewards:** City park lead and outreach committee member   July 2022 - Present