

Finnbarr O'Callahan

Software Engineer | Toronto, Ontario, Canada

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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, Docker, GitHub Actions, TeamCity, Playwright, Jest/Vitest, Grafana, 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

- **CurbFinder:** Full-stack React app to share and find free curbside items in your area ([visit](#))
 - React + TypeScript, Node + Express, PostgreSQL + PostGIS, TypeORM, GCP, Docker, Playwright
- **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
- **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