

Work

- 2021 – **Upstatement**, *Apprentice* → *Lead Engineer*
- Lead technical strategy and execution of enterprise multisites, web applications, and design systems using React, Next.js, Vue, WordPress, Craft, and Contentful.
 - Establish tools, QA practices, and audit processes to improve WCAG accessibility compliance and educate developers across the studio.
 - Hire and mentor 2 engineering apprentices on React, agile development, client management, web accessibility and career trajectory.
 - Prototype LLM powered internal knowledge base, enhanced image accessibility, and MIT Admissions chatbot to launch the studio's AI practice.
 - Collaborate with business development team to pitch capabilities and win new clients.
- 2019 **Pluralsight**, *Software Engineer Co-op*
- Write RESTful APIs and React frontend for role proficiency measurement platform.
 - Manage PostgreSQL database and RabbitMQ message queue in a microservice network.
 - Design normalized databases and architect distributed finite-state machine for glicko based "assessment engine".

Projects

- 2024 **Toolbelt**, toolbelt-ui.netlify.app
- Headless component library for common accessibility patterns, built on top of Alpine.js. The library is tech-agnostic. As long as you're producing HTML, Toolbelt is compatible.
- 2024 **Archivist**, github.com/gvjacob/archivist
- Smart AI-powered playlists for your Spotify. With Archivist, playlist housekeeping is a one-click chore. Implemented with Go, SQLite, and OpenAI.
- 2023 **Biz Elephant Slackbot**, *available upon request*
- Friendly neighborhood LLM slackbot to help internal Upstatement staff search across the intranet and answer questions about studio expertise, policies, or project history. Implemented with Python, SQLite, Pinecone, OpenAI, and Flask.

Education

- 2016 – 2021 **Northeastern University**, *Khoury College of Computer Sciences*
- Bachelor of Science in Computer Science and Design
Magna Cum Laude