

## PROFILE

Software engineer passionate about creating inclusive, accessible digital experiences. Skilled in developing scalable, user-focused web applications from idea to deployment. Collaborative, quality-driven, and committed to continuous learning and iteration through clean code, testing, and thoughtful UI/UX

## EXPERIENCE

### SYSTEM OF SILK

Remote, Canada

#### Software Engineer (Contract)

NOV 2024 - PRESENT

- Built responsive, reusable components with **Next.js** and **TypeScript** to enhance UI scalability and consistency
- Integrated **RESTful APIs** using **Axios**, enabling dynamic video loading with robust error handling for edge cases
- Applied **WCAG-compliant accessibility** practices and conducted thorough audits using WAVE and Siteimprove, improving inclusivity and usability across the application
- Collaborated with the client to scope features, refine user flows, and iterate on feedback
- Utilized **Git** for version control and deployed the application via **Vercel**, supporting an efficient **CI/CD** pipeline
- Led the **final QA phase**, overseeing UI polish, accessibility testing, and visual refinements to ensure a high-quality product for deployment

### SERVICENOW

San Diego, CA

#### Quality Engineer Intern

JUNE 2021 - AUG 2022

- Validated 200+ core features across two major platform releases and resolved 15+ defects and backports, ensuring seamless integration
- Automated 3+ IT test workflows using JUnit, reducing regression testing time by 20%
- Collaborated with cross-functional teams to design & execute test plans for 10+ process optimization features
- Co-developed an automated monitoring tool using ServiceNow's UI Builder & HTML, replacing a manual QA process and increasing efficiency by 70%

## SKILLS

**Programming:** JavaScript, TypeScript, Python, Java, R | **Web:** React, Next.js, HTML, CSS, Tailwind, Sass, Node.js, Express, Strapi CMS, GraphQL, Web APIs (Web & DOM), OAuth, JWT | **Databases & Deployment:** MySQL, Heroku, Vercel | **Testing:** Jest, JUnit | **Version Control & Project Management:** Git, GitHub, Jira, Agile Development | **Design & Accessibility:** Figma, WCAG, manual audits, inclusive UI design

## EDUCATION

### BRAINSTATION

Toronto, Canada

*Diploma, Software Engineering | GPA - 94%*

AUG 2019 - MAY 2023

### MIDDLEBURY COLLEGE

Middlebury, VT

*Bachelor of Arts, Major in Computer Science & Minor in Mathematics; GPA - 3.76*

AUG 2019 - MAY 2023

**Awards:** Magna Cum Laude, Departmental Honors, BOLD Scholar, Davis UWC Scholar

**Relevant coursework:** Systems Security, Artificial Intelligence, Usable Mobile Interfaces, 3D Computer Animation, Software Development, Algorithms and Complexity, Computer Architecture, Data Structures, Linear Algebra, Multivariable Calculus

## PROJECTS

### BEAUTY BIN ( [GITHUB.COM/IFECHUKWU123/BEAUTY-BIN.GIT](https://github.com/ifechukwu123/beauty-bin.git) )

DEC 2024

- Designed and developed a personalized makeup inventory app using **React.js**, **Node.js**, and **MySQL** to help users track product expiration dates, manage their collections, and receive alerts, promoting efficient and safe beauty product use

### INSTOCK ( [GITHUB.COM/IFECHUKWU123/INSTOCK.GIT](https://github.com/ifechukwu123/instock.git) )

Nov 2024

- Built a scalable full-stack inventory management system using **React**, **Express**, **Knex**, and **MySQL**
- Applied **Agile methodologies** to manage tasks via Jira and deliver features on time