Keshav Chawla

✉ keshav.chawla@uwaterloo.ca • ⌂ keshavchawla.com • ⌾ github.com/keshavchawla • in linkedin.com/in/keshav-chawla

Skills

Languages: C++, C, Python, Kotlin, JavaScript, TypeScript, R, Racket
Frameworks/Libraries: React, Remix, Next.js, Gatsby, GSAP, Three.js, Marionette.js, Bootstrap, Sass, Less, Tailwind CSS
Data/Tools: Git, GH Actions, Cypress, Jest, LaTeX, Phabricator, Confluence, Figma, Jira, Netlify CMS, Vercel

Work Experience

Wattpad | Associate Web Engineering   May 2022 - Aug 2022
- Developed core web platform features and components, both on the client and server using various modern web frameworks (TypeScript, React, Remix, Webpack, and JavaScript) to serve over 90 million monthly users
- Architected web interfaces that utilized APIs and backend services to handle traffic at scale (over 2 billion daily requests)
- Prototyped essential services with next-generations frameworks (Remix) validating and harnessing improvements in error handling, caching, hooks, E2E testing, and Datadog application performance monitoring

Axonify | Software Developer (JavaScript)   Sept 2021 - Dec 2021
- Programmed production code features utilizing various JavaScript frameworks (Marionette.js, Backbone.js, and jQuery)
- Increased unit test runners (Jasmine) speeds by 25% while also increasing code coverage utilizing multi-project builds
- Incorporated MVC design patterns and best practices in the implementation and release of user-facing products

Jam3 | Software Developer Intern   Jan 2021 - Apr 2021
- Created and launched projects including Wild Cities for global tech clients at a digital experience agency
- Enhanced practices and internal tooling to improve accessibility in projects with consistent 90+ lighthouse scores

UW Faculty of Mathematics | Online Learning Assistant   May 2020 - Aug 2020
- Assembled a LaTeX converting application using PHP, Python, and shell scripts to help instructors convert course content
- Facilitated deployments to servers for faculty use while enforcing upload size limits, data cleanup, and file deletion

Projects

Digital NFC Vinyl Player ⧉ • **C++, C, Node.js, React, CSS, Make**
- Utilized a Raspberry Pi and an NFC reader to scan NFC tags and connect to a user's Spotify account to play the song/album associated with the NFC tag to a device or speaker

Todoloo Todo App ⧉ • **Kotlin, Gradle, SQLite, jpackage**
- Developed a desktop-class (MacOS & Windows) to-do application along with a SQLite database and a custom-built API

Raspberry Pi MagicMirror ⧉ • **Google Assistant SDK, Git, JavaScript, RSS Feeds**
- Engineered an interactive smart mirror to display local news, trivia, live tweets, and voice commands functionality

Extra & Co–Curriculars

SAF Student Investment Fund | Junior Portfolio Manager   Jan 2023 - Present
Senior Analyst   Sept 2022 - Dec 2022
Junior Analyst   May 2021 - Aug 2021
- Organized a team of students to manage a C$400,000 portfolio of Canadian and U.S. equities
- Performed financial analysis on TMT and Consumer Discretionary equities (discounted cash flow, comparable companies, historical multiples) to identify potential investment opportunities

Mathematics Endowment Fund | Funding Council Faculty Representative   Jun 2020 - Aug 2020
- Served as part of council to approve $50k-$150k in funding per term for various math faculty-student initiatives

Education

University of Waterloo (4A)
90% Cumulative GPA
Bachelor of Computing and Financial Management (Candidate), Honours (Co-op)   Apr 2024