

YASH RATHORE

+1 519-760-0260 | yashrath24@gmail.com | yashrathore.live | linkedin.com/in/yashyr7 | github.com/yashyr7

EDUCATION

University of Waterloo, Bachelor of Computer Science (co-op) | **Average: 83%** Sept 2019 - May 2024
Coursework: User Interfaces, Object-Oriented Development, Distributed Systems, Database Management, Software Delivery

EXPERIENCE

- aSocial Inc.** | *Founding Flutter Engineer* Apr 2024 – Present
- Directed the development, testing, and launch of Flutter app called Lock In, achieving over 5,000 downloads and securing a top-100 spot (#74) on the App Store's free productivity charts.
 - Managed an offshore team of developers and led code reviews to build new features and ensure code quality.
 - Built and deployed a referral system from scratch using Flutter, Next.js, and Firebase, boosting user acquisition by 37%.
 - Reduced business and rewards onboarding time by 70% through an admin portal built using React and Firebase.
 - Modernized the front-end of the Flutter app with over 40 responsive UIs, boosting user engagement and functionality.
- DNASTack** | *Software Engineer Intern* May 2023 – Aug 2023
- Improved editing and publishing data clusters efficiency by engineering 5+ angular components for the publisher website.
 - Created a dashboard interface for Azure Marketplace app for easy subscription management using ASP.NET and C#.
 - Integrated tracing into DNASTack Client Library to identify software bottlenecks using Zipkin and Python.
- Enlighted (Siemens)** | *Frontend Developer Intern* Aug 2022 – Dec 2022
- Created a Slack bot for employee scheduling, adopted company-wide by 200+ employees, improving team coordination.
 - Engineered an app's user flow enhancing team collaboration across 5+ internal teams with a point-based reward system.
- HomeX** | *Software Engineer Intern* Jan 2022 – Apr 2022
- Revamped the signup flow of the mobile app by implementing 4 Flutter pages using the MVVM design pattern.
 - Migrated to an external Stripe library to handle payments in the mobile app, eliminating 5+ hrs/week of manual work.
 - Developed a modular Flutter web widget for seamless access to product features and services via 15+ partner websites.
- Bentley Systems** | *Software Engineer Intern* May 2021 – Aug 2021
- Optimized the process for modifying links by visualizing data in a table using React and TypeScript saving 3+ hrs/week.
 - Designed over 15 automated UI test cases using Selenium and C# to identify and resolve software problems.
 - Utilized ESLint to identify and mitigate code quality issues, reducing the code base by over 2000+ lines.

PROJECTS

- AgentPals** | *Full Stack App (React + FastAPI + Supabase)*
- Built a web app for real estate agents to analyze property disclosure documents using Cohere and Qdrant vector database.
 - Architected a real-time chat interface leveraging Retrieval-Augmented Generation (RAG) and WebSockets, enabling users to interact with Cohere and query property details and associated documents.
 - Generated in-depth property analyses by extracting and citing key information, with each analysis point dynamically linked to the exact highlighted text within the corresponding documents.
- WatFriends** | *Web App (Express + MongoDB + EJS)*
- Co-founded a student-run startup creating a networking platform for university students, attracting over 250 users.
 - Led the overhaul of the front-end experience with a responsive design to expand potential customer base by 200%.
- Matr, uOttHack3 – 1st Place** | *Android and Web App (ReactJS)*
- Prototyped a cross-platform solution to expedite the foster care process by incorporating MQTT with Solace Cloud as the broker for seamless communication between Java-based Android application and React web app.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Dart, Python, C/C++, C#, Java, Scala, SQL, Bash

Technologies: Next.js, React, Express, Node, FastAPI, Flutter, Android Studio, PostgreSQL, Firebase, Supabase, Hadoop, Spark