

Harsimran Kaur

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Portfolio: <https://simi360.github.io/harsimrankaur/#/> | **Blog:** <https://simidev.hashnode.dev>

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Professional Summary

Full-Stack Developer with 5+ years of experience delivering high-performance backend systems, scalable web applications, and seamless integrations. Proven track record in optimizing database solutions, developing efficient APIs, and implementing AI-driven solutions. Proficient in ASP.NET, C#, MERN stack, Next.js, and TypeScript, with expertise in both backend and frontend development to ensure exceptional user experiences.

Skills

- **Languages:** TypeScript, JavaScript (ES6+), C#, Java, Python, HTML5, CSS (SASS/SCSS), JSON, JSX
- **Front-End Technologies:** React, Redux, React Router, Bootstrap, Styled Components, Webpack, RESTful APIs, Angular, Tailwind CSS, Telerik
- **Back-End Technologies:** Node.js, Express.js, ASP.NET Core/ MVC, AWS Lambda
- **Database:** SQL, PostgreSQL, MySQL, MongoDB, Mongoose, Redis, Firebase (Firestore Database)
- **Build Tools:** Webpack, Babel
- **Authentication:** Firebase, OAuth and OpenID Connect, Single Sign-On, CORS, Token-Based, Next auth
- **Package Managers:** Yarn, Node Package Manager (NPM)
- **Testing Frameworks:** Jest, React Testing Library, Moq, xUnit
- **Version Control:** Git, GitHub, Bitbucket, GitLab
- **Deployment Platforms:** Vercel, Netlify
- **Tools:** Visual Studio Code, Chrome DevTools, Eclipse, IntelliJ IDEA, Docker, Azure Studio Code
- **Cloud:** AWS, Azure
- **Search Engine Optimization (SEO):** Google Analytics, Google Search Console, Google AdWords

Professional Experience

- TRIYO** Toronto, ON (Hybrid)
Full-Stack Developer 06/2024 – Present
- Successfully completed client deliverables ahead of schedule in a dynamic, fast-paced environment with changing product requirements, ensuring a **30% increase** in QA testing time and on-time releases.
 - **Reduced API response time** from 19 minutes to 30 seconds (a **97% improvement**) by implementing batching queries, parallel executions, and query optimization in legacy backend systems. Additionally, decreased POST request payload size from nearly 300MB to 50MB (an **83% reduction**), ensuring **faster data loads** on slower internet connections.
 - Developed and iterated on **AI proof-of-concept solutions**, adapting quickly to engineering challenges and delivering requested changes in near real-time using a Kanban-style workflow.
 - Designed and delivered **10+ dynamic dashboards** tailored to diverse client needs, improving **client satisfaction by 40%** through detailed data visualization using React.js, Fluent UI, Kendo, and Telerik.
- Tech stack:** ASP.NET, C#, MySQL, React.js, Fluent UI, Kendo, Telerik

- INTERACT HEALTH PRO** Toronto, ON (Remote)
Software Engineer 06/2023 – 05/2024
- Led a team of **6 junior developers** in designing, developing, and testing a comprehensive database in an Agile environment, achieving a smooth migration of the Main Database Framework, resulting in a **20% improvement in average query response time and increased throughput**.
 - Implemented WebSocket technology to enable real-time communication between members and admins, along with real-time updates on the admin dashboard reflecting user changes, resulting in better user experience evident by **50% reduction in client support tickets and improved user satisfaction scores**.
 - Developed effective development plans for the database system, focusing on in-depth client intake and data integration into Medical & Legal forms, resulting in a **30% increase in data accuracy and accessibility**.
 - Conducted performance-testing procedures, ensuring proper operations of the database, and **aggressively troubleshooting and resolving over 50 potential issues**.
 - Created detailed documentation for the database system, including an operational manual and supporting guides for future changes or improvements. **Tech stack:** ASP.NET, C#, MySQL, React.js, Tailwind CSS

FREELANCE

Full Stack Developer

Remote
09/2022 – 05/2023

- Developed highly efficient web applications using React.js, Next.js and Node.js, resulting in **20% reduction in initial page load times and 15% improvement in overall application responsiveness.**
- Streamlined API development for various projects, achieving a **30% decrease in API call processing times and a 10% increase in successful API requests per user.**
- Improved user experience by implementing performance optimization techniques like code splitting and Webpack bundling, resulting in significant application time increase, with **page load time decreasing by between 3 and 5 seconds and a 10% boost in user retention.**

Tech Stack: React.js, Next.js, Node.js (Express.js), Django, MongoDB, PostgreSQL, MySQL, Spring boot, Redis, Tailwind CSS, Bootstrap, Styled components

APPTONATE

Software Engineer

Toronto, ON
01/2022 – 12/2022

- Spearheaded the development and launch of a **fintech dashboard**, serving **5000+ users**, in collaboration with a high-performing **12-member team** within a fast-paced **Agile development environment.**
- Implemented **real-time data visualization** and interactive charts (Chart.js) for complex financial data sets, **reducing data processing and display time by over 40%**, significantly improving data accessibility.
- Proactively identified and resolved bugs and performance issues, contributing to a consistently **high sprint completion rate of 90%.**

Tech Stack: Next.js, React.js, Typescript, Node.js (Express.js), Tailwind CSS

DAWNBIT

Software Developer

Gurugram, India
06/2017 – 01/2020

- Actively contributed to the development and maintenance of responsive web applications using React.js with typescript, ensuring seamless user interfaces and optimal user experience.
- Developed and maintained internal IT support platforms using Java Spring Boot, improving **first contact resolution time by 10%** for remote technical support teams.
- Collaborated within web technologies team, effectively gathering and translating requirements from **30+ clients** and created several successful initial prototypes, reducing the average number of project iterations needed to achieve **client satisfaction by 20%.**

Tech Stack: React.js, Typescript, SASS, Spring Boot, Node.js (Express.js)

Open-Source Contributions

Drawsome - <https://github.com/aryandutt/drawsome>: Enhanced functionality for Drawsome, improving usability and user engagement by 25%, by implementing text input and export features for creations in JPG, PDF, and PNG formats.

Tech Stack: React.js, TypeScript, Rough.js, flatted, Tailwind CSS

Education

STATE UNIVERSITY OF NEW YORK

Major: Computer Science

Binghamton, NY, USA
09/2013- 05/2017

HERZING COLLEGE

AEC, Business Administration, Sales and Marketing

Montreal, QC
04/2020- 04/2022