Rishi Singla

Rs.Rishi.Singla@gmail.com | linkedin.com/in/rs-rishi-singla/ | Rishisingla.me | Active Secret Level Security Clearance

Summary

Full stack developer experienced in designing, building, and deploying web applications. Proficient in front-end (HTML/CSS, JavaScript, Figma), back-end (Java, Python, SQL, PostgreSQL), and UX design. Passionate about building accessible, secure, and user-centric web solutions in agile environments.

Education

Honours Bachelor of Science with Major in Computer Science September 2022 – Present
University of Ottawa (GPA: 3.3) *Ottawa, ON*

- Enrolled in Computer Science, Computer Engineering, Software Engineering and Entrepreneurial courses
- Attained a 4.0 GPA in key courses: Introduction to Computing, Software Engineering and Programming Paradigms

Experience

UX/UI Designer January 2025 – August 2025
ISED, Government of Canada *Ottawa, ON*

- Conducted **user experience research** through **stakeholder** interviews and review of 30+ legacy documents to identify pain points
- **Designed** 50+ Figma prototypes and developed a **full-stack** prototype to test **accessibility** and **usability improvements**
- Co-led **planning** and **execution** of **usability testing** sessions with 20 participants to validate interface improvements
- Ensured all design outputs aligned with **WCAG 2.2 AA** standard, supporting inclusive public and internal access

STEM Director May 2023 – January 2024
City of Brampton *Brampton, ON*

- **Strategically planned, organized** and **executed** engaging programs, improving participant retention by **15%**
- **Led** a team in developing and delivering STEM programs that engaged over **100** participants
- **Maintained** compliance with safety protocols, achieving a **100%** safety record during the program

Projects

Spectrum Auctions Website Improvement | *Figma, HTML/CSS, Javascript* January 2025 – Present

- **Designed** interfaces for a **government** website by creating **50+ Figma mock-ups** and **4 HTML prototypes** to modernize the Spectrum Auctions site
- Conducted **usability analysis** and synthesized insights from stakeholder interviews to inform design priorities
- Collaborated with analysts and developers in **agile sprints** to align research findings with design iterations

ISED's SMT and SMS Redesign | *Figma* January 2025 – February 2025

- Worked on redesigning key pages on the **ISED Spectrum Management and Telecommunications (SMT)** and **Spectrum Management System (SMS)** websites to improve **visual appeal, clarity, and accessibility**
- Focused on **simplifying** complex government content while maintaining compliance with **federal web standards**

Hotel Booking Web Application | *HTML/CSS, Java, SQL, PostgreSQL* January 2024 – March 2024

- Built a **dynamic** hotel booking web application integrated with a **PostgreSQL database** optimized for complex queries
- **Reduced** data retreival time by 20% through **schema optimization** and indexing
- **Implemented** distinct user interfaces for customers and administrators, enhancing user experience and administrative control

Technical Skills

Programming Languages: SQL, Java, Javascript, Python, C/C++, HTML/CSS, Golang, Scheme, Racket
Developer Tools: PostgreSQL, Git/Github, Visual Studio, Eclipse, Figma, Tinkercad