

# Ishwinder Singh

+1 (514)-297-3139 - [Portfolio](#) - [ishwinder.malhotra@gmail.com](mailto:ishwinder.malhotra@gmail.com) - [LinkedIn](#) - [GitHub](#)

## SKILLS AND CERTIFICATIONS

---

**Frontend Development:** HTML5, CSS3, JavaScript(ES6+), React 18, Next.js, TypeScript, Bootstrap5, Tailwind CSS, Redux, Babel, Webpack, swc.

**Backend Development:** NodeJs, ExpressJs, Java (v8+), Spring, Spring Boot, Hibernate, Rest APIs, SOAP, GraphQL APIs, Asynchronous Programming, Event-driven Architecture, Server-side Development, Python.

**Databases:** SQL(MySQL, PostgreSQL), NoSQL(MongoDB, DynamoDB, Redis).

**DevOps Tools:** Git, GitHub, Docker, Kubernetes, CI/CD Pipeline, Ansible, Jenkins, Terraform.

**Cloud Technologies:** AWS (EC2, Lambda, S3, DynamoDB, API Gateway, RDS, Elastic Beanstalk, CloudFront, CloudFormation), Oracle.

**Methodologies:** Agile(Scrum, Kanban), Waterfall Model, Test-Driven Development, Behaviour-Driven Development(BDD).

**Testing Frameworks:** Selenium, Mockito, Jest, React Testing Library, Cucumber.

**Designing Skills:** Figma, ProtoTyping, WireFraming, UI/UX design, design mock-ups, Photoshop.

**Other Tools:** Slack, Jira, Trello, Confluence, NPM, Yarn, ESLint, Prettier.

**Content Management Systems:** WordPress, Shopify.

**Certifications:** AWS Cloud Practitioner, AWS Cloud Solution Architect-Associate, Figma for UI/UX designing, Junit Testing using Mockito and Selenium.

## EDUCATION

---

### Concordia University

M.Eng(Electrical and Computer)

Montreal, Quebec, Canada

September 2021 - May 2023

### Guru Nanak Dev University

B.Tech(Electronics and Communication)

Amritsar, Punjab, India

August 2016 - May 2020

## WORK EXPERIENCE

---

### MERN Stack Developer

UpWork, Remote Canada

September 2023 - Present

- Developed, tested, and maintained web applications using ReactJs and MySQL, enhancing software quality by 32%. Improved CI/CD processes using GitHub Actions, reducing deployment time by 20%.
- Collaborated with Product Owners, UI/UX Designers, and QA Engineers to develop and implement new features, ensuring alignment with business goals and reducing development time by 10%.
- Conducted code reviews, troubleshoot and debugged software issues, ensuring performance, quality, and security standards were met, improving system efficiency by 15%.

### Software Developer

Akal web Soft Pvt Ltd, Amritsar, Punjab, India

January 2021 - August 2021

- Planned, refactored, and optimized e-commerce websites. Integrated payment gateways into web applications, enhancing e-commerce functionality and user experience by 18%.
- Enhanced team productivity by 15% by participating in Agile processes, including planning and sprints using Jira, translating user stories into user interfaces within the time frames.
- Worked with QA teams to ensure product quality, applied Java and Spring Boot frameworks, and implemented micro-services architecture thereby increases the scalability of the system by 22%.

### Frontend developer Intern

Venus Software Solutions, Amritsar, Punjab, India

January 2020 - July 2020

- Created wireframes, prototypes, and mockups with Figma and Sketch, improving design communication and reducing development time by 35%.
- Collaborated with the development team to document technical specifications and project details, achieving a 20% improvement in project transparency and efficiency.
- Worked with cross-functional teams to ship new features using Java-based backend services and performed code reviews focusing on performance, enhancing final project outcomes by 26%.

## PROJECTS

---

### Health Consultation App- HTML5, CSS3, JavaScript, ExpressJS, MongoDB, Heroku, ReactJS

- Led a team of four developers to create a responsive health consultation app using HTML5, CSS3, React, and ExpressJs, enhancing user engagement and accessibility by 60%.
- Devised and integrated GraphQL APIs in collaboration with backend team for transformative features such as BMI calculations, customized exercise plans, and personalized diets, achieving a 25% reduction in health risks.
- Engineered server-side application development with ExpressJs, optimizing data accessibility and system performance on MongoDB, resulting in a 40% reduction in data retrieval times.

### **Facial Recognition App- AWS, ReactJS, S3 bucket, DynamoDB, GitHub**

- Architected and deployed a facial recognition app utilizing AWS (Lambda, S3, DynamoDB, EC2) and React JS, significantly enhancing workplace security and client satisfaction by 45%.
- Optimized image storage and retrieval processes with AWS S3 and DynamoDB, resulting in a 48% increase in indexing speed, boosting search functionality and user experience.
- Executed comprehensive cross-device QA and performance unit testing with Mockito to ensure compatibility and accessibility across various devices, resulting in a 45% improvement in system reliability.
- Created and maintained comprehensive software documentation to support ongoing development and maintain activities, resulting in project transparency and efficiency by 20%.

### **My Portfolio Website- HTML5, Tailwind CSS, React, JavaScript, Git, AWS.**

- Crafted a visually engaging and responsive portfolio website using HTML5, Tailwind CSS, and React, enhancing user experience by 60% through responsive design.
- Deployed interactive elements and dynamic functionalities using JavaScript and jQuery, including animations and form validations, achieving a 45% improvement in smooth scrolling.
- Utilized Git for version control and AWS for deployment and followed agile methodologies for continuous integration and continuous deployment(CI/CD), thereby reducing the overall development time by 22%.