

# Kabir Singh Sidhu

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## TECHNICAL SKILLS

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- **Languages:** Python, JavaScript, Java, C, C++, Kotlin, Assembly, SQL, TypeScript, HTML/CSS, R
- **Web Technologies:** React.js, Node.js, Next.js, Spring Boot, Flask, Django, Express.js, Tailwind CSS
- **Tools/Frameworks:** Git, Docker, AWS, MongoDB, PostgreSQL, Redis, Linux, Jira, Firebase

## EDUCATION

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- **Simon Fraser University** Burnaby, Canada  
*B.Sc. in Computer Science (GPA: 3.65X)* *Jan 2022 – May 2026 (Expected)*

## WORK EXPERIENCE

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- **Altiora** Remote  
*Full Stack Developer* [Source Code](#) *June 2024 – Present*
  - Developed and deployed company website and customer acquisition platform using React.js and Next.js
  - Built scalable backend API with Node.js and Express.js to handle customer requests, user authentication, and data processing
  - Implemented automated customer support system with real-time chat functionality and ticketing system, reducing response times by 60%
  - Designed and optimized PostgreSQL database schema with Redis caching, improving query performance by 50%
  - Integrated payment processing with Stripe API and implemented secure data handling following GDPR compliance standards
  - Built comprehensive admin dashboard for customer management, analytics, and business intelligence reporting
  - Collaborated with marketing team to create A/B tested components and conversion funnels, improving lead conversion rates by 35%

## PERSONAL PROJECTS

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- **RizzervIT - Event Booking Platform** | *Spring Boot, Java, PostgreSQL, Thymeleaf, BCrypt* [Source Code](#) Nov 2024
  - Led team of 4 developers as team leader in building comprehensive movie/event booking platform with 10,000+ user capacity
  - Architected full-stack web application using Spring Boot, PostgreSQL database with complex relational schema design
  - Implemented secure user authentication with BCrypt password encryption and session management across multiple controllers
  - Designed RESTful APIs for movies, concerts, sports events with automated email confirmations and PDF ticket generation
  - Built admin dashboard for content management, user oversight, and comprehensive booking analytics with 95% test coverage
- **Capture the Flag - Multiplayer Game** | *Java, JavaFX, Socket Programming, TCP/IP* Dec 2024  
[Source Code](#)
  - Led 4-developer team building real-time multiplayer Capture the Flag game
  - Architected TCP/IP client-server system with custom network protocol
  - Implemented core game mechanics: team gameplay, flag capture, collision detection
  - Coordinated development tasks and code reviews while contributing 60% of codebase
  - Built JavaFX GUI with smooth movement and real-time state synchronization
- **Learning for All** | *Kotlin, Android, Firebase* Sept 2025  
[Source Code](#)
  - Developed educational Android app for Class 1-5 students with comprehensive learning topics
  - Implemented Firebase Authentication and Firestore database for user management and progress tracking
  - Built interactive learning modules covering mathematics, patterns, and foundational concepts
  - Designed child-friendly UI with progress tracking and topic navigation features
  - Created structured curriculum content with visual exercises and interactive activities