
RAVJOT DUHRA

Software Engineer

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PROFILE SUMMARY

Full-Stack Software Engineer with proven experience in web application development and IT infrastructure management. Utilizing strong technical expertise in both front-end and back-end technologies, with a track record of delivering impactful business solutions. Seeking further opportunities to apply such practices in the development of innovative software solutions.

EDUCATION

Kwantlen Polytechnic University / Bachelor of Technology

Graduating 2025

Amazon Skill Builder Certification / [AWS Cloud Practitioner Essentials](#)

February 2025

Nvidia Certification / [AI For All: From Basics to GenAI Practice](#)

January 2025

Coursera Certification / [Meta Professional Backend Developer \[+8\]](#)

September 2024

TECH SKILLS

Infrastructure: Windows, Linux, Azure, AD, AWS, M365Admin

Languages: Python, Java, JavaScript, TypeScript, SQL

Developer Tools: Git, GitHub, VSCode, Insomnia, Cursor

Frontend: HTML, CSS, Tailwind CSS, Framer-Motion

Backend: MySQL, PostgreSQL, MongoDB, Node.js, RESTful API

Frameworks: React.js, Next.js, Django, Spring Boot

WORK EXPERIENCE

AI Software Engineer

October 2024 – Present

Braintrust Outliers

- ❖ Developed API-aligned prompts and conducted validation testing to ensure robustness for the practiced large language models.
- ❖ Reviewed and summarized AI-generated code to achieve a high standard of data accuracy and completeness.

Freelance Software Developer

January 2024 - Present

Stallion Group Security

- ❖ Engineered and launched a commercial website for a Security services company, resulting in a 50% increase in client sales through an optimized customer intuitive user experience.
- ❖ Implementing a custom CRM system that connects successful form submissions to client's dashboard to improve lead management and customer follow-up processes to act upon conversion rates.
- ❖ Executed a targeted digital marketing strategy via TikTok ads integration, defining audience segments for British Columbia's Lower Mainland.

Service Desk Analyst Co-op

December 2022 – Sept 2023

Microserve

- ❖ Provided Tier-1 technical support via ConnectWise while maintaining high-service quality across a diverse client base.
- ❖ Managed enterprise IT infrastructure: Active directory, GPO, Windows Server Administration to ensure smooth client operations.
- ❖ Orchestrated Email Migrations: Converted existing OST files to PST format to ensure compatibility and data accessibility.
- ❖ Supported specialized software applications by automating scripts to streamline onboarding processing via PowerShell & Batch.

Sales Representative

August 2018 - Dec 2022

Club16 Trevor Linden Fitness

- ❖ Delivered exceptional customer service by consistently selling 20+ memberships monthly, meeting monthly quotas.
- ❖ Identified prospective customers by using business directories and developing leads by networking within the community.

PROJECTS

Secure Vault | [Source Code](#)

SpringBoot | Java | ReactJS | MongoDB | AWS S3 | AWS EFS | AWS Amplify

- ❖ Work-in-progress team startup application that services passwords and documentation management for small to medium organizations.
- ❖ Deploying backend operations and storage using AWS, leveraging cloud infrastructure for scalability, reliability and security.
- ❖ Designing and implementing security protocols to ensure confidentiality and integrity for storage and file sharing of passwords and documents.
- ❖ Ensuring seamless data management by implementing comprehensive CRUD operations on passwords and documents.
- ❖ Implementing an administrative control system by granting admins full control over user permissions and access to audit logs for data restoration and compliance purposes.

Stallion Group Security Commercial Website | [Source Code](#) | [Website](#)

React.js | TypeScript | Tailwind CSS | Express.js

- ❖ Designed and developed a user-friendly interface using React while prioritizing SEO to gain higher search rankings by targeting relevant keywords in reference to security services.
- ❖ Implemented Client & Server communication through validating successful submission forms with automated replies and Calendly integration for client booking purposes.

Full-Stack Django Restaurant | [Source Code](#)

Django | Python | MySQL | DjangoRestFramework

- ❖ Developed a full-stack web app using Python in Django's framework, enabling admins to perform CRUD operations on menu items, users and reservations.
- ❖ Designed dynamic views for HTTP request and response handling with the integrations of RESTful APIs to support client server communication.
- ❖ Implemented a responsive UI for a smooth user experience on all device platforms.
- ❖ Configured MySQL database to handle data consistency for users, reservations and menu items

Full-Stack TicketHub | [Source Code](#) | [Website](#)

Next.js | TypeScript | Tailwind CSS | Pocket Base | Discovery API

- ❖ Developed a full-stack event discovery platform using modern technologies to find festivals and events globally via the Ticketmaster's discovery API.
- ❖ Created responsive UI with the practices of Tailwind CSS.
- ❖ Integrated backend configuration, enabling user registrations, authentication and personalized event searches.

Full-Stack Android Studio Journaling | [Source Code](#)

Java | Android Studio | Firebase

- ❖ Developed a full-stack journaling application using Android Studio, allowing users to sign up to perform CRUD operations on their journal entries
- ❖ Utilized Firebase for back-end development, managing data storage, user authentication and real time database functionality
- ❖ Implemented a user-friendly interface that enhances the journaling experience on all Android devices.

Raspberry Pi 4 Robotic Car Motion Detection | [Source Code](#)

Python | OpenCV | RealNVC | Raspberry Pi 4

- ❖ Designed and assembled 4WD Robotic car and integrated all hardware components.
- ❖ Programmed ultrasonic sensors using python for obstacle detection and avoidance purposes.
- ❖ Implemented motion detection algorithms using OpenCV for real-time video processing.