
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

Nvidia / AI For All: From Basics to GenAI Practice

January 2025

Coursera / Meta Professional Backend Developer Certification

September 2024

TECH SKILLS

Infrastructure: Windows, Linux, Active Directory, Azure, M365 Admin

Frontend: HTML, CSS, Tailwind CSS, Three.js, Framer-Motion

Programming: Python, Java, JavaScript,

Web Frameworks: React.js, Next.js, Django, Express.js.

Databases: MySQL, SQLite, MongoDB, Pocketbase, Firebase.

API Development: Insomnia, RESTful, Open API's

Cloud & Tools: Git, GitHub, CusrorAI, Microsoft 365 Suite, AWS.

WORK EXPERIENCE

AI Software Engineer

October 2024 – Present

Braintrust Outliers

- ❖ Training Large Language Models by developing prompts aligned with API requirements for specific AI model sets..
- ❖ Conducting validation testing by attempting to make AI models fail to ensure robustness.
- ❖ Assessing and summarizing the quality of AI generated code to achieve high standard of data accuracy and completeness.

Freelance Software Developer

January 2024 - Present

Stallion Group Security

- ❖ Engineered and launched commercial website using 10web CMS, driving a 50% increase in client sales through an optimized user-experience.
- ❖ Implemented targeted digital marketing strategy via TikTok ad integration, defining audience segments for British Columbia's Lower Mainland.
- ❖ SEO implementation using keyword optimization to increase search rankings to drive organic traffic.

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](#)

January 2025

- ❖ 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.

Tech Stack: SpringBoot | Java | ReactJS | MongoDB | AWS S3 | AWS

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

October 2024

- ❖ 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

Tech Stack: Django | Python | MySQL | JavaScript + HTML/CSS | DjangoRestFramework | RESTful

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

July 2024

- ❖ 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.

Tech Stack: Next.js | Tailwind CSS | TypeScript | PocketBase | Discovery API

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

April 2024

- ❖ 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.

Tech Stack: Java | Android Studio | Firebase

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

February 2024

- ❖ Designed and developed a user-friendly interface using 10web CMS that highlights all components of client's business services.
- ❖ Integrated SEO best practices to gain higher search rankings by targeting relevant keywords in reference to security services

Tech Stack: SEO | CMS | 10web

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

December 2023

- ❖ 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.

Tech Stack: Python | RealNVC | Raspberry Pi 4 Imager