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*
Coursera / Meta Professional Backend Developer Certification   *September 2024*

TECH SKILLS

Infrastructure: Windows, Linux. Active Directory, Azure.   **Frontend**: HTML5, CSS, Tailwind CSS, Three.js, Framer-Motion
Programming: Python, Java, JavaScript, C++.   **Web Frameworks:** React.js, Next.js, Django, Express.js.
Databases: MySQL, SQLite, MariaDB, Pocketbase, Firebase.   **API Development:** Insomnia, RESTful, Open API's
Cloud & Tools: Git, GitHub, Cursor AI, Microsoft 365 Suite, AWS.

WORK EXPERIENCE

AI Software Engineer   *October 2024 – Present*
Braintrust Outliers

- ❖ Training AI LLMs by designing prompts aligned with API requirements.
- ❖ Conducting validation testing by attempting to make AI models fail to ensure robustness.
- ❖ Assessed and summarized the quality of AI generated code.

Front-End Engineer   *January 2024 - Present*
Stallion Group Security

- ❖ Engineered and launched company's web presence 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

Full-Stack Django Restaurant | Source Code   *October 2024*

- ❖ Developed a full-stack web app using Python in Django's framework, enabling users and admins to perform CRUD operations on menu items, accounts 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: Python| Django | MySQL | HTML & CSS | JavaScript | 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 Business 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

Weather API App | Website | Source Code   *December 2023*

- ❖ Developed a visually appealing weather app using Open Weather API for real-time data of weather conditions.

    Tech Stack: HTML | CSS | JavaScript | OpenWeather API