ARMAAN SINGH JAJ

Calgary, Alberta

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SUMMARY

Motivated and detail-oriented software developer with a strong foundation in full stack development. Skilled in a variety of front-end and back-end technologies, including HTML, CSS, JavaScript, React.js, Node.js, and Express.js. Experienced in developing and delivering successful capstone and personal projects, showcasing proficiency in creating dynamic and user-friendly web applications. Continuously expanding knowledge through certifications, including TypeScript Essential Training and Certified Python Developer. Seeking opportunities to apply skills and contribute to a dynamic development team.

EDUCATION

Southern Alberta Institute of Technology, Calgary, Alberta   *May 2021 – Dec 2022*
Diploma in Information Technology - Software Development Major
Graduated with Honors | GPA: 3.80

SOFTWARE PROJECTS

Professional Portfolio, Portfolio Website   (*Visit | GitHub*)
Nest.js, HTML5, TailwindCSS

- Deployed website in 48 hours by designing and debugging the Next.js app.
- Integrated GitHub REST API to cut down data entry time by an estimated 90% for optimizing the development process.
- Accelerated website loading speed by caching API response data in the backend for 5 minutes.
- Designed a responsive UI using TailwindCSS, doubling average session duration for mobile users.

MyInventory, Inventory Manager   (*Demo | GitHub*)
React.js, Node.js, Express.js, HTML5, TailwindCSS, MySQL

- Boosted system performance by reducing response time by an estimated 80% of legacy inventory-manager after migrating backend from Java to Node.js and Express.js.
- Pioneered a robust backend with Node.js and Express.js for RESTful API structure, enabling seamless communication with frontend after using Axios and database integration, reducing data transfer time by an estimated 90%, simultaneously improving responsiveness of the application.
- Implemented secure CRUD operations for authorized accounts, ensuring data integrity and access control in inventory manager by implementing password hashing prior storing into the database and tokenized login using Json Web Token (JWT).
- Configured and tested successful data export to PDF feature, using pdf-lib module, for the user to download.

We-DD, Designated Driver Booking Web-app   (*Demo | GitHub*)
React.js, Node.js, Express.js, HTML5, TailwindCSS

- Planned and administered a team of 5 as project manager to design, develop & test the web application on time for the designated driver company.
- Enriched the booking web app with an integrated solution: user data submission triggers an efficient email to the company, fostering prompt communication, automating confirmation emails, and anticipating a 85% boost in operational efficiency and user satisfaction.
- Established smooth communication between the web app's front-end and back-end using RESTful APIs, ensuring data flows seamlessly. This integration boosted interaction efficiency, improving user experience and app functionality, with an anticipated 95% increase in effectiveness and user satisfaction.

VOLUNTEERING EXPERIENCE

Welcome Ambassador and Wayfinding Support

Fall 2021 Welcome Back Orientation Event, SAIT

- Acted as a welcome ambassador and provided wayfinding support for over 500 new and returning students during the Fall 2021 Welcome Back Orientation event on September 1st.
- Demonstrated a positive attitude and a helpful demeanor in a team of 4, contributing to a welcoming and inclusive atmosphere for guests on campus.

CERTIFICATIONS

- **Lyft Back-End Engineering Virtual Experience Program:** Forage   *Aug 2023*
- **TypeScript Essential Training**: LinkedIn   *Feb 2023*

KEY SKILLS

- **Web Technologies & Frameworks:** React.js • Node.js • Next.js • HTML5 • CSS3 • Tailwind CSS
- **Programming Languages:** Java • Kotlin • SQL • Python • PL/SQL • C • JavaScript • TypeScript • PHP
- **Databases:** MySQL • MongoDB
- **Soft Skills**: Communication • Critical Thinking • Adaptability • Accountability • Collaboration • Time-Management
- **Concept & Technologies:** Object Oriented Programming • MVC Architecture • Database Administration • Unit Testing • UI/UX • Git Version Control