

Jashanjot Singh

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EDUCATION

University of Guelph

Bachelor of Computing in Software Engineering

Cumulative Average: 90%

Guelph, ON

Graduating May 2027

TECHNICAL SKILLS

Languages: C#, Java, JavaScript, TypeScript, Python, C, SQL, VBA.

Frameworks: Angular, Nextjs, React, Vite, Express, Nodejs, Tailwind CSS.

Libraries: PrimeNg, pandas, NumPy, Matplotlib, Shaden-ui, Prisma, JUnit.

Developer Tools: Git, Maven, Vercel, Linux, Docker, Jira, Trello, Visual Studio, Power BI, Excel.

EXPERIENCE

Software Engineer Intern

May 2024 – Present

Ontario Power Generation

Bowmanville, ON

- Directed comprehensive software development projects using Angular, .NET C#, and Microsoft SQL Server on Azure platforms; improved system performance by 40% and accelerated deployment timelines by 25%
- Designed and optimized database schemas, tables, views, and stored procedures, reducing process time from 40 minutes to 3 minutes.
- Engineered and deployed an automated email notification system using SMTP and .NET console applications, improving internal communications and workflow efficiency by reducing manual email tasks by 40%.
- Applied software engineering methodologies throughout the project lifecycle, ensuring robust testing and quality assurance of all web applications.

Undergraduate Teaching Assistant

September 2023 – April 2024

University of Guelph

Guelph, ON

- Led engaging C programming lab sessions for 40 students, creating and delivering hands-on assignments to enhance their coding skills.
- Facilitated weekly office hours, delivering personalized guidance on complex concepts, effective debugging techniques, and advanced coding strategies to 50+ students.
- Acted as a reliable resource for students, offering constructive feedback, and explaining complex topics.
- Delivering clear and concise explanations of programming principles to facilitate student learning and mastery.

PROJECTS

Team Messaging App | *Typescript, Nextjs, React, MySQL, Prisma, Tailwind*

- Developed a full-stack messaging app using Next.js, implementing real-time messaging with WebSockets
- Crafted a visually appealing, responsive design using TailwindCSS and ShadenUI, ensuring mobile compatibility
- Leveraged Prisma ORM to interact with a MySQL database and implemented one-on-one and group calling features for seamless text, audio, and video communication.

Cloud Music Player | *Typescript, Nextjs, React, Supabase, StripeAPI, PostgreSQL, Tailwind*

- Developed a music streaming platform with capabilities to upload and play songs, providing users with a seamless music experience.
- Implemented secure authentication and subscription management using Supabase, GitHub, and StripeAPI, enhancing user access control and monetization features.
- Created a user-friendly, responsive interface with Tailwind CSS, interactive animations, and advanced playback functionality, improving overall user experience and engagement.

Shell | *Java, Maven, JLine*

- Developed a custom shell application in Java, supporting built-in and external commands, tab completion, command piping, and command history navigation.
- Utilized JLine library for handling terminal input, enhancing user experience with features like tab completion and command history.
- Implemented a robust set of built-in commands including 'cd', 'echo', 'exit', 'type', 'pwd', 'ls', and 'history', facilitating comprehensive command-line interactions.