Aaryan Patel

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EDUCATION

University of Waterloo   Waterloo, ON
Bachelor of Computer Science   *Sep. 2022 – May 2027*
- Artificial Intelligence Specialization
- Minor in Economics

EXPERIENCE

Application Developer   Jan. 2024 – May 2024
CGI Inc.   *Toronto, ON*
- Specialized in building and managing **cloud-based API ecosystems** using **Google Cloud Platform** as well as deploying, monitoring, and managing enterprise solutions on the cloud
- Designed and deployed a **PostgreSQL** database integrated with Keyclock, streamlining authentication process
- Leveraged **Terraform** to automate infrastructure provisioning, which optimized deployment time by up to **70%**, significant enhancing operational efficiency

Junior Software Developer   May 2023 – Aug. 2023
JANA Corporation   *Aurora, ON*
- Developed backend solutions using C#, ASP.NET, and SQL Server, contributing to the architecture, implementation, and maintenance of **pipeline integrity management** application
- Led the optimization of SQL queries, significantly enhancing the performance of the data management **REST API**, which improved **dynamic data retrieval** and display
- Introduced new visualization feature that displayed risk level results for **predictive risk analysis**, aiding in better decision-making for pipeline integrity management
- Lead migration of APIs to a **high-performance serialization library**, boosting API performance by up to **50%**

Junior Developer   Jun. 2022 – Sep. 2022
CGI Inc.   *Mississauga, ON*
- Development using Angular, TypeScript, HTML & CSS, improving overall application functionality
- Lead the redesigning of a POS inventory application to better meet the specific needs of a telecom client, enhancing user satisfaction and operational efficiency
- Improved inventory management functionalities using RESTful APIs, resulting in a more intuitive user experience

PROJECTS

P.E.P.P.E.R. | *Next.js, Tailwind CSS, Cloud Functions, Python*   Jan. 2024
- Compassionate **conversation chat bot** deployed as a **full-stack** web app for **DeltaHacks X Hackathon**
- Crafted humanized responses to user prompts using **OpenAI** as if it were another human talking to user
- Designed to alleviate loneliness among elderly and patients experiencing social isolation

SpotiSize | *Next.js, Tailwind CSS, JSON Web Token*   July 2023 – Dec. 2023
- Worked in a team to design a web app that visualizes user's spotify data using Figma
- Uses **Spotify API** to categorize and visualize listening activity
- Uses JSON Web Tokens for **user authentication** to authorize access to their visualized data

Noise Rebel | *JavaScript, Node.js*   June 2023
- Automated **soundboard** functionality embedded into discord server for peers
- Integrating with **event-based Discord APIs** and FFmpeg to play dynamic sounds in Discord voice chats
- Worked with **OOP** concepts, Discord API, **Decorator Pattern**, FFmpeg, **async programming**

CERTIFICATIONS

AWS Certified Cloud Practitioner	May 2024 – May 2027
Google Cloud Certified Associate Cloud Engineer	Mar. 2024 – Mar. 2027

TECHNICAL SKILLS

Languages: C/C++, C#, Python, SQL (PostgreSQL, SQL Server), JavaScript, HTML5/CSS3
Frameworks: ASP.NET, Entity Framework, Django, React, Angular, Node.js, Express.js, MongoDB
Developer Tools: Git, Docker, Google Cloud, AWS, CI/CD, Kubernetes, Terraform, Postman