***Arpan Pokharel***

Phone: 437-972-0407 Email: [arpanpokharel07@gmail.com](mailto:arpanpokharel07@gmail.com)

GitHub: <https://github.com/arpanpokharel07> LinkedIn: <https://www.linkedin.com/in/arpan-pokharel/>

**SUMMARY:**

Full-Stack and Software Developer with hands-on experience in building and deploying web applications using React, Node.js, MongoDB, Python, and Java. Skilled in developing both front-end interfaces and back-end systems, with expertise in GraphQL, RESTful APIs, and unit testing. Experienced in using Agile methodologies of SDLC to deliver high-quality software on time. Familiar with cloud services like AWS and Microsoft Azure, as well as containerization with Docker. Focused on delivering solutions that enhance user experience and system performance.

**PROGRAMMING SKILLS**:

***Web Development:*** HTML/XHTML, CSS, JavaScript,Bootstrap, React, Vue.js, Next.js, Tailwind CSS, jQuery, TypeScript, Ruby on Rails

***Backend Development:*** C, C++, C#, Data Structure and Algorithm, ASP.NET, Node.js, Express.js, Python, Django, Java, Golang, PHP, GraphQL

***Database Management:*** MySQL, MongoDB, MS Access

***Version Control & Cloud Services:*** Git, GitHub, AWS, Microsoft Azure, Docker, JIRA

***Mobile Application:*** Android Studio, Swift

**PROJECTS**:

1. **Cedar**: Project Management Tool
   * Engineered a project management tool inspired by *JIRA* using React, TypeScript, and GraphQL, enabling efficient task handling and dynamic data queries.
   * Implemented real-time task updates with WebSocket, reducing task update latency by 30% in testing environments.
   * Designed and deployed a role-based access control system, improving security and user management during development.
   * Optimized deployment using Docker and automated CI/CD pipelines with GitHub Actions, cutting down deployment time by 50%.
2. **BuzzFlow**: Social Media Application
   * Developed a social media platform with Next.js, Node.js, and MongoDB, simulating real-time user interaction with profile creation, post sharing, and messaging features.
   * Integrated AWS S3 for media storage and CloudFront for CDN optimization, reducing media load times by 40% in local tests.
   * Implemented infinite scrolling and lazy loading, reducing page load times by 25% and improving performance across various devices.
   * Built real-time messaging and notifications with WebSocket, testing instant message delivery with reduced latency.
3. **CartSmart**: SaaS-Based Expense Tracker

* Designed and developed a social media platform with Next.js, Node.js, and MongoDB, simulating real-time user interaction with profile creation, post sharing, and messaging features.
* Integrated AWS S3 for media storage and CloudFront for CDN optimization, reducing media load times by 40% in local tests.
* Implemented infinite scrolling and lazy loading, reducing page load times by 25% and improving performance across various devices.
* Built real-time messaging and notifications with WebSocket, testing instant message delivery with reduced latency.

1. **Merlin: Real-Time Chat Application**
   * Engineered a real-time chat application using React, Node.js, and MongoDB, simulating instant messaging with features like typing indicators and reading receipts.
   * Implemented WebSocket for real-time communication, testing message delivery speed with a 25% reduction in latency compared to traditional methods.
   * Secured the app with JWT authentication and role-based access control, testing user safety and reducing security risks by 30%.
   * Optimized the user interface for responsiveness using Tailwind CSS, ensuring cross-device compatibility and testing for enhanced mobile engagement.
   * Containerized the app using Docker, improving scalability during local tests and streamlining deployment processes.

**WORK EXPERIENCE (**SOFT SKILLS**)**:

1. ***Security Officer*** *May 2023 – Sept 2024*

ASG Security: Toronto, ON

* *Communicated effectively with clients and bystanders, ensuring safety and resolving issues in a timely manner.*
* *Identified risks and recommended mitigation strategies, demonstrating proactive thinking in dynamic environments.*
* *Collaborated with team members and clients, improving team coordination and service quality.*
* *Adapted to changing environments and circumstances, ensuring effectiveness in high-pressure scenarios.*
* *Maintained a calm and focused approach, solving complex problems with critical thinking and attention to detail.*

1. ***Customer Service and Restaurant Worker*** Oct 2021 - April 2023

Church’s Texas Chicken: Waterloo, ON

* *Worked in a fast-paced environment, handling customer queries and concerns with a focus on efficiency.*
* *Multitasked across multiple roles, ensuring smooth operations during peak hours.*
* *Collaborated with team members to meet service goals and enhance customer satisfaction.*
* *Developed strong attention to detail, ensuring the accuracy of orders and delivery times.*
* *Enhanced time management skills by handling multiple responsibilities and meeting deadlines.*

**EDUCATION & CERTIFICATION**:

* Completed study in Software Engineering Technology and Computer Programming
* ***Database Certification:*** *Advanced Google Analytics, Google Analytics for Beginners, Google Analytics for Power Users, Google Tag Manager Fundamentals, Getting Started with Google Analytics 360*
* ***Others***: *Digital Marketing, Google Web Designer Basics, Cloud Platform*
* ***More***: <https://www.linkedin.com/in/arpanpokharel07/details/certifications/>

**ADDITIONAL INFORMATION**:

* Regularly solve coding challenges on **LeetCode (** [*https://leetcode.com/u/arpanpokharel07*](https://leetcode.com/u/arpanpokharel07)**)** to improve problem-solving skills across easy, medium, and hard difficulty levels.
* Open to in-person, hybrid, and remote work, including mornings, afternoons, overnight shifts, and weekends.
* Proficient in both written and verbal communication, capable of explaining complex technical concepts clearly to non-technical stakeholders.
* Working on personal projects to continuous improvement of knowledge and explore new technologies outside formal work environments.
* Actively pursuing opportunities to further develop technical skills and stay updated with industry trends and best practices.