

ARPAN POKHAREL

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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:

- 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%.
- 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.
- 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.
- 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.

2. 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/arpapokharel07/details/certifications/>

ADDITIONAL INFORMATION:

- Regularly solve coding challenges on **LeetCode** (<https://leetcode.com/u/arpapokharel07>) 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.