RIKHI SINGH

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EDUCATION

Computer Programming

Conestoga College, Waterloo, ON --- Ongoing

EXPERIENCE

WEB APPLICATION DEVELOPER

University of Guelph -- Sep 2023

- Redesigned public-facing websites, emphasizing UI/UX enhancements while ensuring WCAG and AODA compliance and implementing robust security measures to support the creation of accessible web applications, a core aspect of the role.
- Developed and executed server migrations hosting databases and SSMS, showcasing proficiency in managing server infrastructure, a skill essential for supporting web application development and deployment increasing efficiency by more than 48%.
- Designed and optimized SQL scripts, contributing to improved database performance and data management, aligning with the job's requirement for experience with SQL and database management leading to faster CRED by 28%.
- Identified and patched cybersecurity vulnerabilities on servers, demonstrating a commitment to security leading to better security posture.
- Utilized C#, JavaScript, and Python to develop automation scripts, aligning with the job's emphasis on software development skills and the ability to automate tasks to improve operational efficiency.

PROJECTS

DUOLINGO CLONE

- Developed Duolingo Clone project using modern web technologies, featuring admin dashboard, Stripe integration, and Google SSO authentication. (**VISIT NOW**)

SAAS AI CHATBOT

- CelebSavvy is an AI companion app in development, offering users the ability to chat with AI versions of their favorite celebrities. Leveraging modern web technologies, the project aims to provide an engaging and interactive user experience. (**VISIT NOW**)

GOOGLE CAPSTONE PROJECT

- Developed a dual web endpoint system using Python, Bash, and GCE watchdog scripts, improving infrastructure efficiency by over 150%.
- Implemented scalable APIs for interactive PDF transmission, achieving two-nines availability within 17 hours.

UMICH'S WEB DESIGN CAPSTONE

- Developed a responsive and accessible website with MERN Stack (**VISIT NOW**)
- Employed Version Control System (VCS) via GitHub for project management, demonstrating proficiency in collaborative development workflows.
- Implemented SEO strategies resulting in a 102% increase in website traffic within the initial two months, followed by sustained monthly growth of 3% over the subsequent four months.

CONTENT MANAGEMENT SOFTWARE (ADMIN/STORE)

- A comprehensive eCommerce CMS built with modern web technologies, featuring both an admin interface for store management and a front-end store for customers. (**VISIT NOW**)

SKILLS & ABILITIES

- **Languages:** Java, JavaScript, C#, Python, .NET, ASP.NET, TypeScript, SQL, Bash, HTML/CSS, EJS

- **Frameworks and Libraries:** MongoDB, ExpressJS, NodeJS, MongoDB, MySQL, ASP.NET, ReactJS, NextJS, Razor Pages, jQuery, TailwindCSS, Bootstrap, ShadCN, ClerkUI, Prisma, Cloudinary

- **Tools and Platforms:** Docker, GCE, Google Analytics, Visual Studio, Visual Studio Code, Kali Linux, Ubuntu, Insomnia, Vim Editor, MS 365 Suite, Access, IIS, SSMS, Microsoft Server, Git, GitHub, GCE, Android, WireShark, Splunk, LogRhytm, Suricata, PuTTy

- **Other Technical Skills:** Penetration Testing, Object Oriented Programming, Cloud Technologies, System Design, Network Infrastructure, CI/CD, DevOps, System Administration

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CERTIFICATES

CYBERSECURITY
Google -- Aug 2023

SYSTEM ADMINISTRATION AND IT INFRASTRUCTURE SERVICES
Google -- Sep 2023

CONFIGURATION MANAGEMENT AND THE CLOUD
Google -- May 2023

IT AUTOMATION WITH PYTHON
Google -- Nov 2022

ARTIFICIAL INTELLIGENCE
University of Helsinki -- Dec 2022

IT SUPPORT
Google -- Sep 2022

COMMAND LINE BASICS IN LINUX
Coursera -- Sep 2022

OTHERS

- **Member of CIPS Ontario**
- **Managed Computer Systems in High School as a student**
- Gold medal in Scouts and guides program as team leader showcasing leadership skills
- Won several tournaments in provincial level cricket and lead team as captain