Aleen Hasnani

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EDUCATION

University of Regina   Regina, SK, Canada

Bachelor of Science Honours with High Honours in Computer Science   *January 2020 – October 2024*
GPA: 85.52%

Honors and Awards

- Faculty of Science Dean's Medal – Fall 2024 Convocation
- University Prize in Science – Fall 2024 Convocation
- Faculty of Science Dean's Honours List – Winter 2021, Spring/Summer 2021, Fall 2023

TECHNICAL SKILLS

Programming Languages	:	C++, C, C#, JavaScript, PHP, Python
Frameworks and Libraries	:	React, Angular, Next.js, Node.js, Express.js, React Native, Entity Framework, Redux
Scripting and Query Languages	:	Python, JavaScript, TypeScript, jQuery, XML, SQL
Web Development Technologies	:	HTML5, CSS3, SASS, Bootstrap, Tailwind CSS, Ajax, REST API, HTTP
IDEs and Tools	:	Visual Studio, Visual Studio Code
Databases	:	MongoDB, Microsoft SQL Server, Oracle DB, MySQL
Cloud Platforms	:	AWS, Azure
Version Control Systems	:	GitHub, Azure DevOps, TortoiseSVN
Network Protocols and Tools	:	TCP/IP, HTTP/HTTPS, DNS, DHCP, SMTP, VPN, Wireshark, Ping, Traceroute
Additional Skills	:	WPF, Agile Methodology, SSRS, Nintex K2, Power BI, Jira

WORK EXPERIENCE

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Software Developer   *May 2023 – May 2024*

- Developed and maintained 4+ end-to-end Windows applications using WPF, .NET, and C#, contributing to all phases of the software development lifecycle.
- Designed and implemented robust, scalable algorithms using object-oriented principles, focusing on high-performance data structures, memory optimization, and multithreaded programming to meet complex application requirements.
- Integrated Entity Framework (EF) for database interaction, facilitating seamless data retrieval and manipulation from SQL Server.
- Designed and developed responsive, dynamic websites using Angular, Tailwind CSS, and TypeScript.
- Optimized SQL queries and stored procedures to improve database performance and application efficiency by 20%.
- Created and maintained 20+ SQL Server Reporting Services (SSRS) reports and Power BI dashboards and visualizations to provide accurate and timely data insights for stakeholders.
- Collaborated with cross-functional Agile teams, participating in 15+ sprint planning, daily stand-ups, and sprint reviews to ensure timely delivery of project milestones.
- Utilized Azure DevOps to manage project workflows, including version control, CI/CD pipelines, and task tracking, ensuring smooth deployments and team collaboration.
- Proactively explored new tools, technologies, and methodologies to address emerging challenges. improve development efficiency and enhance the overall quality of software solutions.

University of Regina

IT Support Analyst   *January 2022 – May 2024*

- Resolved 200+ Tier-1 and Tier-2 IT services tickets in a month, related to hardware, software, and network connectivity, ensuring minimal downtime and achieving a 90% first-call resolution rate.
- Loged, escalated, and resolved incidents and service requests using ticketing systems such as FootPrints.
- Provided remote assistance to end users for troubleshooting software and hardware issues, optimizing productivity across multiple locations.
- Troubleshot and resolved Active Directory issues, user access concerns on UR Self Services, and VPN-related connectivity problems, boosting operational reliability.
- Utilized the KCS methodology to create, update, and maintain a knowledge base by capturing, structuring, and reusing knowledge articles during incident resolution, improving first-call resolution rates and reducing average resolution times.
- Supported major IT initiatives such as Microsoft 365 migration, MFA implementation, and Moodle LMS integration, improving organizational productivity and system security.

SaskEnergy

Database Analyst *January 2023 – April 2023*

- Led a data archival project, implementing processes to archive and classify user database data in alignment with the company's retention policies, ensuring compliance and efficient data management.
- Developed and optimized 30+ complex SQL queries using Oracle SQL Developer to retrieve and view custom data for cross-verifications, enhancing data accuracy and reliability.
- Collaborated closely with Business Analysts to assess application improvements, gather user requirements, and recommend modifications to meet evolving business needs.
- Conducted comprehensive User Acceptance Testing (UAT) for 5 new applications, identifying and resolving issues to ensure smooth deployment and functionality.

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Web Developer *September 2021 – August 2022*

- Developed 15+ responsive user interfaces with HTML, CSS, SASS, and Bootstrap, and built 10+ React based single-page applications (SPAs) using efficient state management and reusable components to enhance user experience.
- Built 10+ scalable backend services with Node.js and Express using MVC architecture, and integrated RESTful APIs for secure data exchange between frontend and backend.
- Designed and optimized MongoDB databases, creating 50+ schemas and managing data with CRUD operations for dynamic applications.
- Used React hooks (e.g., useState, useEffect), Context API, React Router, and basic Redux for building dynamic and stateful applications.
- Implemented ES6+ JavaScript features, including closures, async programming, promises, and callbacks, to create efficient and maintainable code.
- Utilized WordPress to design and modify 5 custom themes and plugins, enhancing site functionality and meeting client requirements.
- Created 10+ engaging website UI & designs using Figma, collaborating closely with stakeholders to ensure design alignment and consistency with project goals.
- Managed version control using Git by creating and maintaining repositories, branching strategies, and resolving merge conflicts to ensure seamless collaboration and code integration within the development team.
- Utilized Linux commands for server configuration, file management, and troubleshooting, ensuring optimal application performance and efficient workflows in a web development environment.

PROJECTS

- **Let's Ride**: Developed a MERN (MongoDB, Express, React, Node) web application - a platform enabling users to share rides for long distance commutes, offering an economical and eco-friendly travel option. Led a team of four to successfully deliver the project on time.
- **Zombie Shooter**: Developed a VR game for Meta Quest using Unity and C# where players must shoot zombies to survive in a post-apocalyptic world.
- **Farm Forward**: Developed MVP using React, Firebase and CSS at 24 Hour AgTech Challenge - a platform for farmers to secure grants, access resources, and share knowledge. Won first place with a $9,000 prize, including $5,000 in legal fees. Led the hackathon's technical team to build and complete the MVP within 24 hours.
- **Unification Algorithm**: Developed a unification algorithm in C++ by leveraging object-oriented programming principles and advanced concepts in data structures and algorithms to deliver an efficient and modular solution.
- **Know The Weather**: Designed and developed a cross-platform mobile application for iOS and Android to provide detailed weather information for cities worldwide, leveraging React Native, JavaScript, and third-party APIs for seamless functionality and user experience.

CERTIFICATIONS

- Machine Learning Specialization – On going
- Business Analysis – 2024
- ITIL V4 Foundation – 2024
- Nintex K2 IT Developer – 2023

ACHIEVEMENTS

- Second Place for 'Aureus' at 24-Hour Startup Challenge (2024), organized by the Cultivator.
- First Place for 'Farm Forward' at 24-Hour AgTech Startup Challenge (2023), organized by the Cultivator.
- Third Place for 'UFluence' at 48-Hour Startup Hackathon (2023), organized by The Key.