Utkarsh Kapoor

Calgary, AB | 403-605-2320 | Utkarshkapoor74@yahoo.com | Linkedin | GitHub | Portfolio

EDUCATION

Mount Royal University   **2021 - Dec 2025**
Bachelor of Computer Information Systems   *Calgary, AB*
  • **Achievements:** Dean's Honour Roll – 2023

PROFESSIONAL EXPERIENCE

Elk Valley Resources   **Jan 2025 - Aug 2025**
Operational Technology Intern – Software & Systems Automation Focus   *Calgary AB*
  • Designed and implemented a secure, automated monitoring solution for AVEVA Historian replication health across Tier 1 sites, using PowerShell, SQL Server Agent, and Linked Servers.
  • Streamlined replication visibility for the data pipeline team by pushing data to Business SQL, removing the need for direct RTS domain access.
  • Developed and executed scripts (SQL, PowerShell) for automating tasks and supporting real-time data push to historian systems.
  • Handled ad-hoc data/reporting requests from analysts and the data pipeline team
  • Maintained HMI/PLC applications and performed patching, access audits, and compliance reviews
  • Collaborated with cross-functional teams to document system changes and streamline support workflows via ServiceNow, resulting in improved efficiency and ongoing improvement
  • Gained exposure to Sentinel One EDR, contributing to endpoint protection and threat visibility across operational assets

Calgary Stampede   **May 2024 - Aug 2024**
IT Support Technician Intern   *Calgary AB*
  • Maintained 99% uptime for POS systems by proactively resolving hardware and software issues.
  • Implemented and monitored security protocols using Agile methodologies to maintain system integrity and prevent unauthorized access
  • Collaborated with business units to enhance system functionality, ensuring alignment with compliance standards.

Long View Systems   **May 2023 - Sep 2023**
Systems Consultant Intern   *Calgary AB*
  • Utilized Microsoft Excel, Word, and SharePoint to implement solutions that significantly improved user satisfaction and reduced process completion time by 30%.
  • Troubleshot and resolved technical issues, leveraging critical thinking and strong analytical skills, minimizing downtime and boosting system reliability by 30%

PROJECTS

Alphacons Conference Registration System | Github
  • Built a full-stack web application using React (frontend), Node.js/Express (backend), and MySQL on Google Cloud with Stripe for secure payment integration.
  • Implemented role-based user access, profile management (e.g., dietary restrictions), fee calculation, and mobile-responsive design.
  • Designed RESTful APIs and connected backend services for real-time user data and registration processing.

Single Page Application (SPA) | Demo
  • Developed SPA using vanilla JavaScript, async API fetch, and CSS UI design.
  • Followed accessibility best practices and mobile-first design.
  • Applied strong analytical and coding skills, particularly in JavaScript and CSS, to deliver a responsive and interactive web application
  • Delivered the full UI/UX independently, demonstrating strong analytical thinking, frontend development, and team collaboration.

Backend API Development
  • Developed scalable RESTful APIs using Node.js and Express.js, deployed on Google App Engine.
  • Integrated with Google Cloud SQL for efficient CRUD operations and database interaction.

Java Inventory Management Database
  • Developed an inventory management system using Java and MariaDB, applying concepts of SQL, data modeling, and ERD design.
  • Integrated security protocols and optimized SQL queries, demonstrating knowledge of SQL Server and database management skills.
  • Applied basic understanding of analytics through system performance tracking and error handling, building expertise in quality assurance processes.

SKILLS

  • **Programming Languages & Frameworks**: PowerShell, JavaScript, SQL, Python, REST APIs, JSON
  • **Systems & IT/OT Administration**: Windows Server, Unix/Linux, VMware, Patch management, ServiceNow, AVEVA Historian, HMI/PLC basics
  • **Business Intelligence & Tools**: Microsoft Excel, PowerPoint, SharePoint, PowerBI, Azure
  • **Database Management**: SQL (MySQL, SQL Server), Data Modeling, ERD
  • **Development Tools & Environments**: Eclipse, Visual Studio Code, Git, Azure DevOps, Linux, Windows, VMware
  • **Soft Skills & Methodologies**: Agile collaboration, technical documentation, analytical thinking, effective communication, cross-functional teamwork