

Aman Padda

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TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS
Frameworks: React, Typescript, Node.js, Flask, .NET, JUnit
Developer Tools: Git, Docker, Postman, Linux Server, AWS, VS Code
Libraries: JQuery, Matplotlib, Pandas, NumPy, TensorFlow, Keras
Databases: MongoDB, PostgreSQL, Firebase, MySQL, SQL Server
Concepts: Object-Oriented Programming, Design Patterns, Agile Methodologies, Data Structures and Algorithms, RESTful API, Documentation

EXPERIENCE

- Founder/CEO** Aug 2024 – Present
Stardust Software Solutions *Calgary, AB*
- Spearheaded the development and delivery of 6 custom software solutions for businesses across various industries, specializing in web and mobile applications
 - Designed and implemented scalable software architectures using modern technologies, resulting in solutions that support up to 1,000 concurrent users
 - Oversaw all stages of the software development lifecycle, from initial client consultations and project planning to deployment and post-launch support
- Full Stack Developer** May 2023 – August 2023
Saskatchewan Career Development Association *Regina, SK*
- Led a team of 3 members in designing and prototyping a web application for a client and subsequently single-handedly built and deployed the live version
 - Executed a content migration process, transferring over 50 selected pages and blogs from Weebly to GreenGeeks hosting platform, resulting in easier to find and manageable content
 - Implemented essential features such as secure credit card payment processing and optimized form registrations, resulting in easier membership renewal and enrollment processing time for over 100 members
- Artificial Intelligence Research Assistant** July 2023 – Aug 2023
University of Regina *Regina, SK*
- Proposed the concept of generating datasets by utilizing another Large Language Model, Chat-GPT, resulting in an increase in data sample generation efficiency
 - Collaborated with a PhD student to scrape and preprocess erroneous code samples from Chat-GPT, resulting in a dataset expansion of 50 percent compared to initial projection
 - Integrated JavaScript and Node.js technologies into the API for efficient tokenization of previous chat history, enhancing the model's capability to prevent duplicate code generation, resulting in a decrease in redundant code occurrences within the dataset
- IT Operations Engineer (Intern)** Jan 2022 – Aug 2022
Saskatchewan Government Insurance *Saskatoon, SK*
- Identified and resolved a critical blue screen of death issue affecting multiple members across the organization, demonstrating problem-solving skills and technical expertise
 - Responded effectively to a disaster scenario by setting up infrastructure outside for salvage operations, enabling inspection activities to proceed smoothly, and ensuring minimal disruption to operations during crisis situations
 - Managed daily tasks such as packaging applications and overseeing Azure controls, contributing to the smooth functioning of IT operations and maintaining the efficiency of cloud-based services

PROJECTS

- Freight Shield** | *MongoDB, Express, React/Native, Node.js, Chakra UI, Docker* Sept 2023 – Apr 2024
- Demonstrated proficiency in the MERN stack by developing a comprehensive trucking software marketplace, including both front-end and back-end

EDUCATION

- University of Regina** Regina, SK
Bachelor of Applied Science in Software Systems Engineering Sept 2020 – Aug 2024