



# VIJAY KUMAR

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## EDUCATION

### Saskatchewan Polytechnic

Moose Jaw, SK / 2014 - 2016

**Business Information Systems Two Year Diploma:** Algorithms & Data Structures, Databases, Web Development, Operating Systems, Networks, Business Communication, Financial Accounting, Systems Analysis

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## EXPERIENCE

### Triton Public Awareness

Software Engineer | 2021-Current

- Automated data analysis and organization processes, significantly reducing manual effort and saving time.
- Developed an information system for the emergency outreach program, enhancing efficiency and coordination while minimizing errors across multiple operational areas.
- Created a responsive visual interface to manage content across various devices for different teams, streamlining stakeholder communication, delivery tracking, and inventory management.

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## PROJECTS

### OnTract

- Designed a REST API to update stakeholder information, track deliveries, and manage inventory.
- Created a CMS to visualize and manage information in React.js, utilizing libraries like Redux Toolkit for extended functionality.
- Designed relational database in Postgres and utilized Prisma ORM to map models
- Implemented JWT for endpoint authentication and authorization of admin accounts, protecting sensitive features.
- Configured a cloud environment in AWS to deploy the full stack, using various services such as ELB, RDS, Amplify, S3, etc.
- Implemented features such as user management and project Excel upload with automatic data normalization and renormalization for downloading the final copy.

### Inventory Application

- Designed a REST API to track items stored across multiple locations and store images and receipts in an AWS S3 bucket.
- Developed a CMS in React.js to manage inventory, track losses, and store receipts for accurate record keeping.
- Created a clean and consistent UI design using SASS, ensuring responsiveness across a variety of screen sizes.