

# Jean Turgeon

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## Summary

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Senior software engineer capable of delivering highly innovative, disruptive technologies. Enjoying problem-solving and learning new technologies.

## Professional History

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### Senior Software Engineer

**Global Spatial Technology Solutions**

📅 02/2022 - 08/2023, 📍 Dartmouth, Nova Scotia.

#### Accomplishments

- Refactored many of the marine navigation data feed ingestion pipelines (Lambda, Step Function).
- Integrated into the CI/CD pipeline the generation of reports from code coverage, unit and integration testing tasks resulting in raising overall code quality for the entire team.
- Improved software performance for a vessel greenhouse emissions calculation service, reducing batch processing time from 6+ hours to 15 minutes.
- Developed a pre-commercial prototype IoT device for ship maintenance and failure prediction with machine learning models.

### Senior Software Engineer

**MDA Corporation (Defence)**

📅 09/2017 - 12/2021, 📍 Dartmouth, Nova Scotia.

#### Accomplishments

- Developed efficient data feed pipelines for naval C2 system capable of translating 100,000 ship tracks with an update rate of less than 5 seconds.
- Implemented complex track processing algorithms capable of maintaining 1000 track updates per minute.
- Built a flight booking application capable of handling all of DND personnel transportation needs during the holidays.
- Developed tracking, telemetry, and command analysis tools for a satellite ground station capable of producing customizable reports from a live satellite feed.
- Wrote software requirement, design, and system administration documentation for project.

### Business Analyst

**County of Grey**

📅 11/2015 - 09/2017, 📍 Owen Sound, Ontario.

#### Accomplishments

- Developed multiple ETL solutions for administrative and accounting applications to support 360 employees.
- Produced a Perl plugin for Request Tracker to keep track of IT department projects and provide better visibility with county administration.

## Java Developer

### Superior Glove Works Ltd

📅 03/2012 - 11/2015, 📍 Acton, Ontario.

#### Accomplishments

- Implemented an integrated EDI solution that allows the daily processing of at least \$250,000 worth of purchasing orders.
- Created an ETL service linking internal ERP and Salesforce, which reduced data entry hours taken by the sales associate team by 20%.
- Developed mobile applications to help the sales team close an additional 10% of sales.
- Directed Agile activities with a team of 5 developers: sprint planning and retrospective, backlog grooming, daily standup, and communication with management.

## Senior Software Engineer (Contract)

### MDA Corporation (Robotics)

📅 10/2011 - 03/2012, 📍 Brampton, Ontario.

#### Accomplishments

- Prototyped with Eclipse RCP a remote navigation and mission tasking console for a robotic vehicle.
- Designed a SWT GUI library: avionic, 3D mapping, and sensor widgets.

## Education History

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Master's Degree in Computer Information Technology

### Regis University

📅 2002 - 2006

Graduate Diploma in Management (DESG)

### École des Hautes Études Commerciales

📅 1994 - 1996

## Skills

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**Programming:** BASH, Java, JavaScript, OOP, Python, Script, SQL, TDD, Typescript.

**Framework:** AngularJS, Django, FastAPI, Spring Boot.

**Web:** CSS, HTML, JSON, OpenAPI, REST.

**AWS:** Athena, Cloudformation, ECS, Greengrass, IoT, Lambda, S3, RDS.

**Databases:** MongoDB, InfluxDB, PostGIS, PostgreSQL.

**DevOps:** CI/CD, Docker, Git, Jenkins, Kafka, Kubernetes, Linux, Postman.

## Interests

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Keeping alive antique computers.

Dairy sheep.

Sailing

Travelling.