

# Somayaji Ayalasomayajula

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## Employment

Nuclear Promise X, Toronto, ON – **Product Visionary (Director)**

Jan 2019 – Present

[NPX is an innovation startup delivering products to transform the nuclear power generation industry.](#)

- Led the growth of the Product and Development team from 1 to 35 and \$0 to \$1M of ARR and \$4M of annual revenue over 3 years.
- Led the design, development, and launch of a B2B SaaS platform to modernize equipment health monitoring, reliability and reporting - leading to an increase in equipment reliability and health scores by 27%.
- Acted as a subject matter expert for product related questions in key sales discovery calls - \$800K of new contracts and \$1.2M of contract renewals in 2021.
- Set the overall product vision, strategy, and roadmap for NPX across all verticals, and managed a cross-functional team of 35 product managers, designers, and developers to deliver over 18 products from inception to implementation.
- Implemented SDLC processes and developed CI/CD pipelines reducing software release times by 60%
- Developed Business Intelligence reports, data pipelines, and KPIs to monitor product performance, improving customer satisfaction scores by 18% in 2021.

Kinectrics Inc, Toronto, ON – **Associate Analyst**

Jul 2016 – Jan 2019

[Kinectrics is the category leader in providing life cycle management services for the electricity industry.](#)

- Designed, developed, and implemented an automated purchase order management system reducing processing times by 40% and labour costs by \$120K/year
- Developed a tool to automate mechanical stress analysis leading to a 60% increase in completion speed of projects and positioning Kinectrics as the engineering consultant of choice for that type of stress analysis.

BionX Inc, Toronto, ON – **Embedded Systems Intern**

Sep 2015 – Dec 2015

[BionX Inc. was a failed manufacturer of electric propulsion systems and electric bikes.](#)

- Designed, developed and tested the user interface console on BionX e-bikes improving console responsiveness by 36%.
- Improving in-motion usability of console by redesigning the human machine interface to perform all activities with 2 button presses.

Suncor Energy, Fort McMurray, AB – **Reliability Engineering Intern**

Jan 2015 – Aug 2015

[Suncor Energy is a Canadian integrated energy company specializing in the production of synthetic crude from oil sands.](#)

- Developed condition based monitoring model to predict failures of mining equipment resulting in a 35% reduction in unplanned failures and an estimated \$600K of avoided annual unplanned maintenance..

Husky Energy, Toronto, ON – **Maintenance Engineering Intern**

Sep 2014 – Dec 2014

[Husky Energy is a Canadian integrated energy company specializing in the exploration and production of oil.](#)

- Developed a reliability centred maintenance model integrated with ERP systems to continuously identify and prioritize maintenance of "bad actor" equipment leading to a reduction in annual plant maintenance costs of \$2M.

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## SKILLS & TOOLS

- |                      |              |         |
|----------------------|--------------|---------|
| • SQL                | • E-commerce | • Git   |
| • Cloud Architecture | • CI/CD      | • UI/UX |
| • ETL                | • HTML/CSS   | • Figma |

## EDUCATION

Ryerson University - Mechanical Engineering (BEng)

University of Louisiana at Lafayette - Mechanical Engineering (BASc)

## CERTIFICATIONS

Reforge - Product Leadership – 2022 (In Progress)

Reforge – Mastering Product Management - 2021