

Somayaji Ayalasomayajula

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Employment

Nuclear Promise X, Toronto, ON – **Director, Products**

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 45, \$0 to \$2M of ARR and \$6M 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%.
- Led the design and development of a B2B E-commerce marketplace for nuclear components.
- Led the design and development of a B2B SaaS platform for requirements management systems at power generation facilities.
- Acted as a subject matter expert for product related questions in key sales discovery calls - \$2.4M of new contracts and \$3.8M of contract renewals in 2022.
- Set the overall product vision, strategy, and roadmap for NPX across all verticals, and managed a cross-functional team of 45 product managers, designers, and developers to deliver over 25 products and projects 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.

SKILLS & TOOLS

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

EDUCATION

Ryerson University - Mechanical Engineering (BEng) - 3.94/4.0 GPA

University of Louisiana at Lafayette - Mechanical Engineering (BASc) - 4.0/4.0 GPA

CERTIFICATIONS

Reforge - Product Leadership – 2022

Reforge – Product Strategy - 2022

Reforge - Scaling Product Delivery - 2022