

Rafael Zalewski

| PROFESSIONAL EXPERIENCE

Oxygen8 Inc.

October 2024–Present

Software Manager (Sales/Design)

Remote – Whistler, BC, Canada

- Responsible for developing software team from scratch – over 12 months hired and on-boarded 4 developers. Fostered a team culture for high impact work, continuous learning, and agile methodology.
- Balanced feature development and reducing significant technical debt from previous developer's work. Led major architecture decisions and infrastructure improvements.
- Developed relationships with design teams and product managers in order to meet aggressive project targets. Successfully launched 7 major product launches/improvements in 2025.

Tesla Inc.

January 2021–September 2022

Sr. Product Support Engineer (Closures)

Remote – Whistler, BC, Canada

- Engineering lead for closures systems across all vehicle models. Oversaw product lifecycle from design to customer. Collaborated with software and hardware engineering teams to optimize product designs.
- Contributed to vehicle software for alert display changes on vehicle UI. Released to customer vehicles via over-the-air software updates.
- Led proactive design efforts to optimize design for repairability on cybertruck and semi truck platforms. Reviewed CAD assemblies, recommended software behaviour and used existing failure models to make data driven decisions.

Tesla Inc.

November 2016–January 2021

Sr. QA Engineer (Software Integration)

Fremont, California, US

- Subject matter expert for automated testing of vehicles within Fremont factory. Spearheaded root cause analysis on several major software and hardware quality issues.
- Led investigation into production critical issue affecting 100% of all vehicles produced over a period of 2 weeks. Facilitated daily morning meetings with electrical, software, manufacturing and executive teams. Developed containment strategy and software countermeasure under extremely tight deadline.
- Led development of machine learning vision inspection system in Fremont factory to record and alert non-conformances in station. This project led to a decrease of 30% of issues affecting completed vehicles.

Evertz Microsystems Inc.

December 2014–June 2016

Field Engineer (Embedded Systems)

Burlington, Ontario, Canada

- Diagnosing electrical and software issues, providing direction to customers and collaborating with engineering teams during development process. Lead on slow motion replay systems for MLB/NBA stadiums.

| EDUCATION

May 2014

McMaster University, Hamilton, Ontario, Canada

Bachelor of Mechatronics Engineering and International Studies

| ADDITIONAL SKILLS

- Soft skills: Collaborator, communicator, mentor, detail oriented with high commitment to quality.
- Software: .Net, Azure DevOps, ReactJS, MySQL, Python, PySpark, Jira, C++
- Hardware: Catia, OnShape, Fusion 360, Siemens PLM