

LUCAS ARAUJO

Perth / WA

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Summary

I am a full-stack web developer, holding a Bachelor's degree in Mechanical Engineering. I highly bring project management skills, leadership skills, communication skills and a lifetime working in a fast-paced high-pressure environments. I recently earned a certificate in full-stack development boot camp from the University of Sydney, where I developed skills in JavaScript, CSS, React.js, Node.js, responsive web design, and much more.

Relevant Experience

Front End: JavaScript, ReactJS, Responsive design, Bootstrap,

Back End: NodeJS, Express, MySQL, MongoDB, Sequelize, e APIs

Deployment: GitHub, Heroku

Additional Experience

Experienced mechanical engineer with 15 years of working experience in Product Development,

- From product commissioning to product launch;
- Risk analysis;
- Project Management (Jira, MS Project)
- Problem-solving skills and pro-active
- "Can do!" attitude;
- Fast learner;
- Ability to work unsupervised while delivering strong results.

Experienced in different business, such as Medical Devices, Automotive, Renewable Energy and Elevators.

Relevant Experience

Senior Sustaining Engineer

Cochlear Limited – Sydney/AUS – Nov/2017 to Nov/2022

- Responsible for delivering appropriately documented implant product and processes by:
 - conducting engineering risk analysis,
 - mechanical design and development,
 - verification & validation (V&V)
- Providing technical support and advice to Cochlear's Quality, Regulatory, Systems, Test Systems, Marketing and Manufacturing teams.



SCHINDLER Lifts Australia – Sydney/AUS – Aug/2016 to Nov/2017 (1 year and 4 months)

Position: **Design Engineering Replacement Manager - Modernisation**

- Responsible for the design of lifts for modernisation/replacements in Australia.
- Supporting the sales team and project managers by reviewing tender quotes, project feasibility, analysing non-standard request,
- Liaising with Schindler's factory in China and Spain, and providing field support.
- Coordinating project deliverables with all stakeholders ensuring the timeframe and budget.
- Responsible for the last engineering review before order placement with the factory, ensuring all



lifts' codes and standards are met.

GENERAL ELECTRIC – Renewable Energy - Brazil – Oct/2013 to Apr/2016 (2 years and 4 months)



Position: **Design Engineer**

- Managed engineering change process from the prototype to the mass production phase. Released and revised drawings, Bill of Materials (BOM) and approved vendor list for new designs and design changes for the mechanical parts, and also liaised with colleagues for the electrical components.
- Dispositioning suppliers' deviation requests, GE manufacturing deviations and wind farm issues.
- Altered method of designing drawings, Bill of Materials and Approved Vendor List, resulting in decreasing amounts of supplier deviations by 53% in 2 years and by 67% of GE manufacturing deviations in 1 year.
- Qualified more than 20 new components' sources in countries such as the US, Brazil, China, India and Vietnam, meeting project deadline and overseas compliance requirements. Tested, validated and qualified new designs and sub-tier suppliers bringing savings of US\$4.2million in 2015. Working remotely without supervision reporting straight to GE US Engineering Team.

OUT OF MARKET – Studying English in Perth, Australia – Sep/2012 to Sep/2013

MWM INTERNATIONAL Motors, a Navistar Company - Brazil – Sep/2009 to Aug/2012 (3 years)



Last position: **Advanced Manufacturing Engineer**

- Implemented a new machining and assembly line for diesel engines dedicated to meet the new standard of emission for pollutants EURO V.
- Developed following the prototype phase and going through layout definition, equipment's scope, equipment's installation and validation, team training and production hand-over.
- Accomplished in short-term project's schedule and budget for the acquisition and tryout of 10 new pieces of equipment installed over 4000m² for an annual capacity of 43K units/year.
- Front man for customers, presenting accomplishments and lessons learned to other facilities in Thailand and Italy. Liaising with customers, internal and external, to ensure product requirements are in line with customer's specifications.

Educational Background

Full Stack Web Development – University of Sydney – Sydney, Australia.

Bachelor's Degree in Mechanical Engineering - Centro Universitário da FEI – São Paulo, Brazil.