JEAN SCHOENLAUB

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Impact driven engineer with professional experience in data engineering and software, and strong foundations in the manufacturing and solar industries. Eager to use data and automation to make better products faster, cheaper and at scale. Ambitious with great prioritization, leadership and communication skills, I am seeking a challenging role with the opportunity to have an impact on the energy transition.

PROFESSIONAL EXPERIENCE

5B   **Sydney, Australia**
Senior Data Engineer   **2023**
Integration Engineer   **2022**
PV Engineer   **2021-2022**

Led multiple cross-functional teams of 2-5 people to digitize and automate engineering, sales, and supply chain processes. Enabled data traceability, analysis, and reporting from the factory to the field by centralizing and integrating pipelines to AWS cloud. Promoted twice in 2 years.

- Integrated factory to field data, from 4 disparate sources, in an AWS PostgreSQL database, enabling 2 data analysis, 4 live dashboards, and a product warranty initiative, in the first quarter of implementation. [More information](#).
- Reduced indicative quoting time by 80% by leading development of a product configuration and documentation web app for the sales team, working with structural, civil and process engineers.
- Decreased Engineering to Order time by 10-20% and errors by 50+ % by building an ETL pipeline from our PLM (3DExperience) to ERP (Odoo) software. [More information](#).
- Data analysis on product configuration costs and manufacturing impacts, leading to sales guidelines.
- Enabled a total cost saving of 50k+ AUD$/yr with 5+ Google sheet automations (eg. datasheet configuration).
- Implemented Jira Software and championed agile methodologies to engineering, and product teams (50+ members).

HCB SOLAR   **Newcastle, Australia**
Graduate Designer   **2020-2021**

- Designed and managed grid connection for 300+ residential solar systems installations.
- Supported the design and installation of 4 commercial solar projects (30-100kw).
- Automated Single Line Diagram (SLD) drawing using Python and VBA (95% time reduction). More information.

SELTZ   **Asuncion, Paraguay**
Summer internship (1 month)   **2015**

Recommended 3 actions for improving bottling line efficiency, and rehabilitated water sanitation system, enforcing warranty.

EDUCATION

UNIVERSITY OF NEW SOUTH WALES (UNSW)   **Sydney, Australia**
Master of Engineering in Photovoltaics and Solar Energy; Excellence Award   **2019-2021**

ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL)   **Lausanne, Switzerland**
Bachelor of Engineering in Mechatronics   **2014-2018**

ADDITIONAL INFORMATION

- Coding Skills: Python (incl. matplotlib), SQL, AWS (Lambda, Glue, Athena, RDS...) , PostgreSQL, C++, C#.
- Software: ChatGPT, Tableau, LookerStudio, Matlab, Github, Postman, Jira, Google Sheets, Excel, AutoCad.
- Languages: Fluent in French (native) and English, rudimentary German (B1) and Spanish (A2)
- Certifications: AWS Certified Solutions Architect Associate (2023), Entry Certificate of Business Analysis (2022).
- Publications: Estimating the potential for semitransparent organic solar cells in agrophotovoltaic greenhouses (2022).