

An Internship Report Presentation
On:
“Software Development at Reduct
Nepal Pvt.Ltd.”

Introduction

Name: Subash Pandey

College: Oxford College, Butwal

Program: Bachelor of Information management(BIM)

Internship Organization: Reduct Nepal Pvt.Ltd.

Exam Roll Number: 12661/20

TU Registration Number: 7-2-559-29-2020

Placement Details

Department: Tech Team

Position: Full Stack Intern

Duration: 3 Months (Dec 2024 – Mar 2025)

Supervisor: Mr. Avineak Duwal (Tech Lead)

Why I Chose Reduct Nepal:

- Forward-Thinking Culture
- Alignment with Core Values.
- Hands-on Learning Opportunity
- Professional Growth.

Tools & Technologies Used

Programming & Frameworks:

- Next.js
- Google App Scripts

Database:

- PostgreSQL

Version Control:

- Git / GitHub

Project Management & Methodology:

- Agile / Scrum

Collaboration & Design:

- Figma (for UI/UX review)

Research & Analysis Tools:

- Researched Airbyte and identified Dagster as an ETL tool alternative.

Activities Performed

- Core Project
- Technical Documentation
- System Research
- Internal Tool Automation
- Quality Assurance
- Agile Collaboration

Core Project: Challenges Management System

My Key Contributions:

- Full-Stack Development.
- Front-End
- Back-End
- Integration
- Documentation

Screenshots of Challenges Management System

Challenges List All Languages Add + ⚙

Title	Language	Id	Difficulty	Points	Embed Link	Actions
Adding List Ends	python	7b4c9b2l	easy	10	Link	 
Count Active Users	sql	ffe3ae9b	easy	15	Link	 
DataFrame Statistics and Trans...	python	335cad05	medium	10	Link	 
Desafio SQL #001 - Problema 1	sql	cb4dle4aeacf	easy	200	Link	 
Desafio SQL #001 - Problema 2	sql	e8921c36df7b7	easy	200	Link	 
Desafio SQL #001 - Problema 3	sql	3948ca3b210c5	easy	200	Link	 
Desafio SQL #001 - Problema 4	sql	1345c7853e32d	easy	200	Link	 
Desafio SQL #001 - Problema 5	sql	228efc1107095	easy	200	Link	 
Desafio SQL #002 - Problema 1	sql	887d9f736db81	easy	200	Link	 
Desafio SQL #002 - Problema 2	sql	2f7a130b124a6	easy	200	Link	 
Desafio SQL #002 - Problema 3	sql	fa1558ba250e9	easy	200	Link	 
Desafio SQL #002 - Problema 4	sql	fac6665f528ec	easy	200	Link	 
Desafio SQL #002 - Problema 5	sql	61af5ec2f8c0e	easy	200	Link	 

Add Challenge ✕

Language * i

Sql ▼

Title * i

Difficulty * i

Easy ▼

Points * i

1

Problem Statement * i

This takes markdown as a value. You can create markdown from this link:
<https://www.1ddgo.net/en/string/markdown-editor>

Correct solution * i

Other Key Activities

- Technical Documentation for Programiz
- ETL Tool Research
- Automated Google Form
- Reliability Testing

Lessons Learned (Technical Skills)

- Full-Stack Development
- Database Management
- Version Control Mastery
- Importance of Documentation
- System Analysis

Lessons Learned (Professional Skills)

- Agile Methodology in Practice
- Effective Communication
- Problem-Solving & Initiative
- Time Management & Accountability
- Receiving Constructive Feedback

Conclusion

- The internship at Reduct Nepal provided an enriching experience that successfully bridged the gap between academic knowledge and industry practice.
- I was able to contribute to meaningful projects, which enhanced my technical skills in full-stack development and professional skills in communication and project management.
- This experience has solidified my passion for software development and has prepared me for a future career in the IT industry.

Thank You