

Industrial Training Presentation

Fiuu (Razer Merchant Services)

STUDENT: AFIQAH IZZATI AZZEROL EFFENDI

FACULTY SUPERVISOR: DR. JUMAIL BIN TALIBA

ORGANIZATION SUPERVISOR: MR. JEREMY HENG

MS. MARDHIAH NAJWA

Company Overview



Fintech company specializing in online and offline payment solutions.



Connects international brands with regional consumers.



Partnership with Razer Inc in 2018, the world's leading lifestyle brand for gamers and a high-performing software and hardware provider.

2005

Founded

300

Employees

60k

Merchants

6

Regional Offices

Fiuu Services



Payment Gateway

Secure processing for online businesses



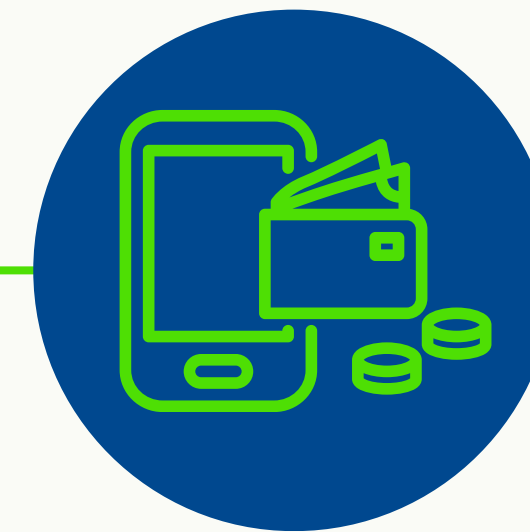
Fiuu Cash

Cash payments at 7-Eleven stores



Virtual Terminals

All-in-one payment processor in a form of a mobile app



E-Wallets

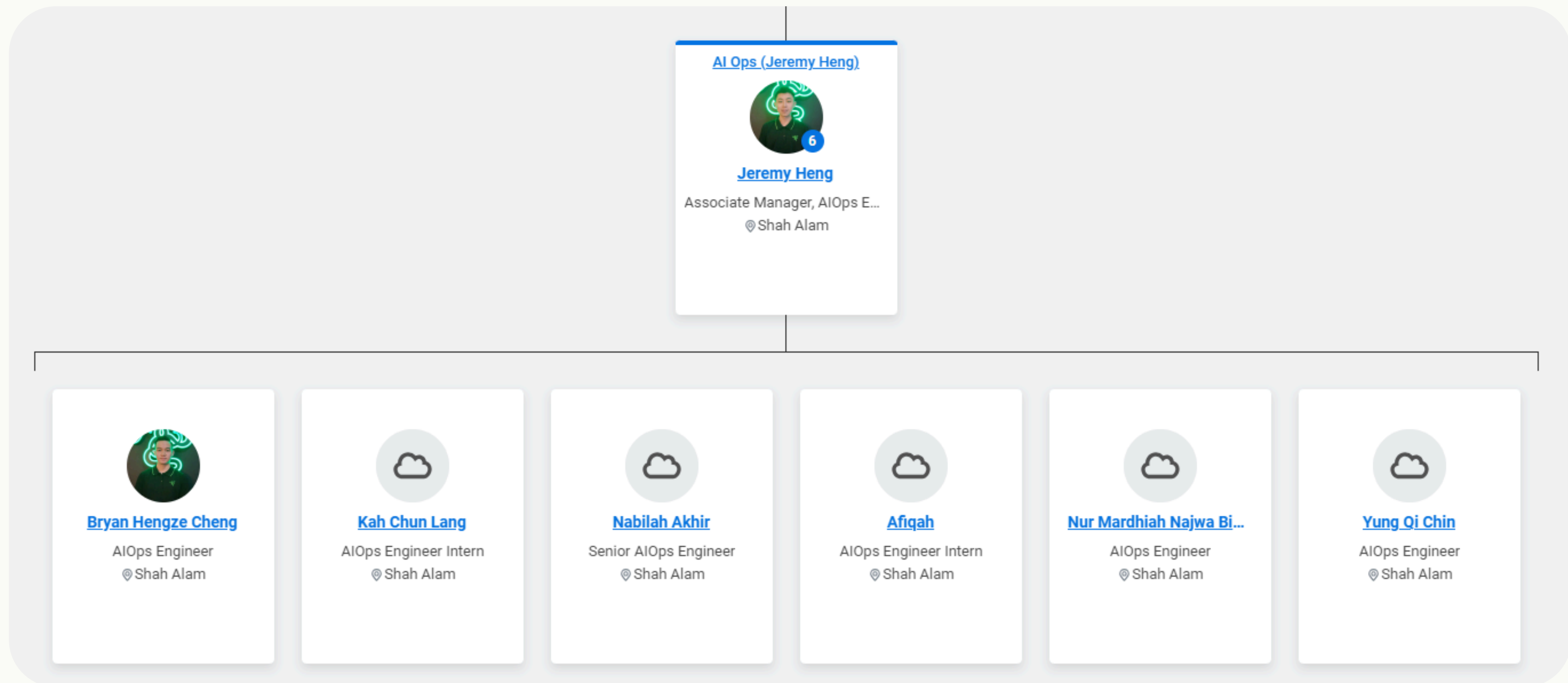
Integration with major digital wallets like Alipay and Touch 'n Go.

Clientele



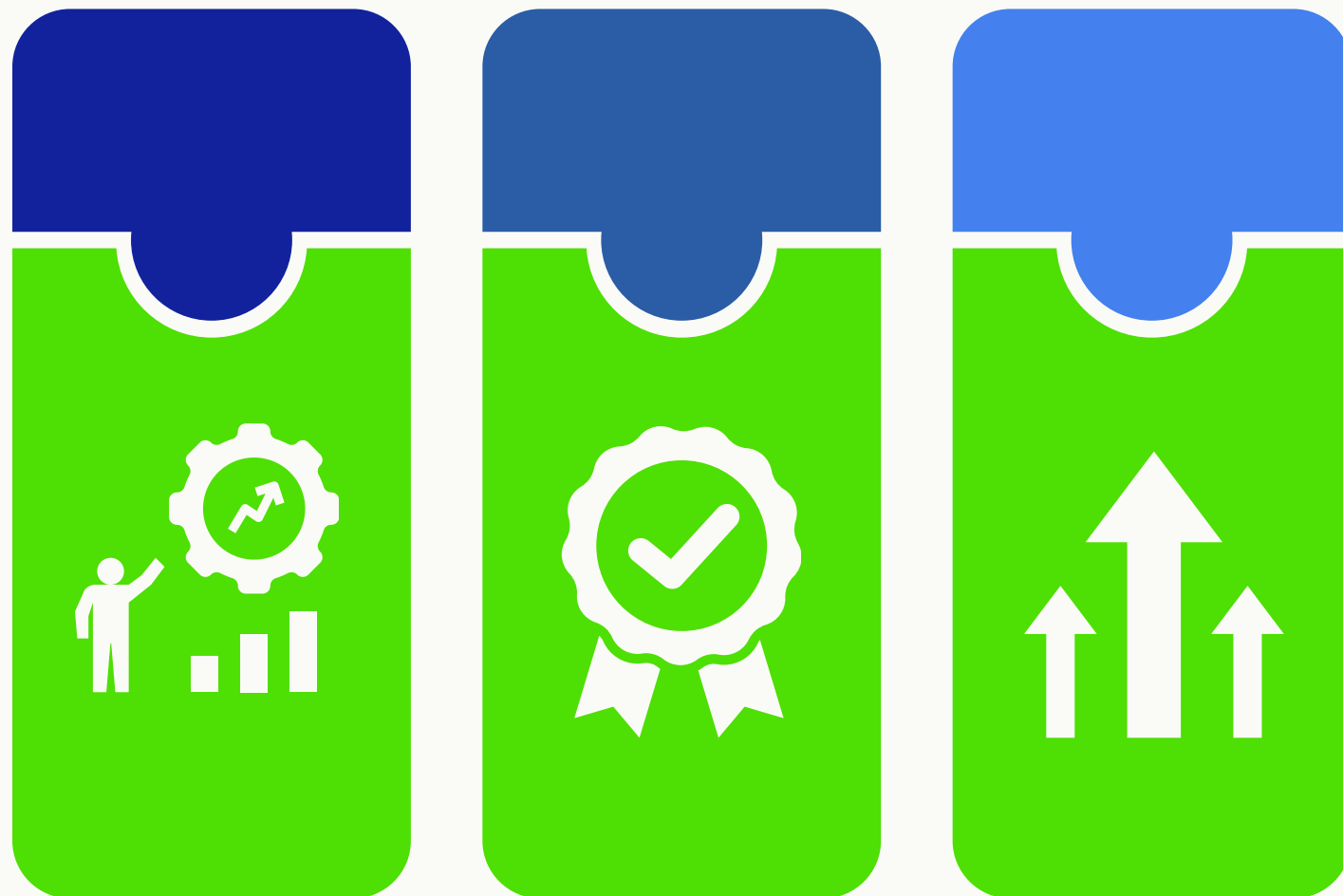
AI Ops Team

This unit is responsible for leveraging artificial intelligence and machine learning technologies to enhance IT operations (AIOps)



Training Program

Overview



Program Goals

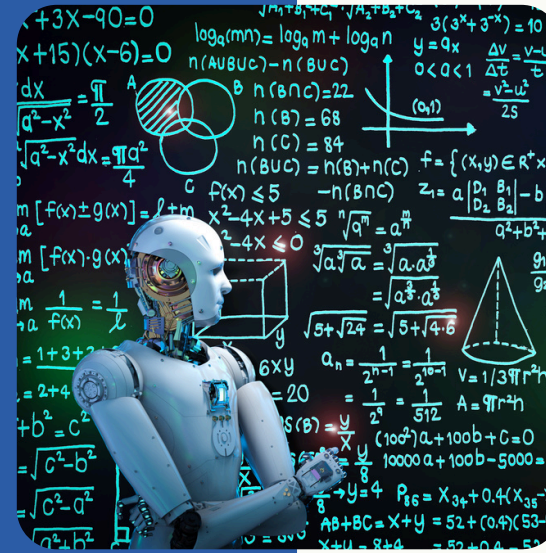
- Develop technical expertise in automation, data processing, and system development.
- Enhance problem-solving skills by working on real-world fintech challenges.
- Foster collaboration and communication within cross-functional teams.

Key Roles

- **AIOps Engineer Intern:** Supporting the Technology Department in automating operations and analyzing data.
- **Mentorship:** Guided by Mr. Jeremy Heng and senior engineers to ensure skill development and project alignment.

Methodologies Used

- **Agile Practices:** Iterative task planning and execution with regular feedback loops.



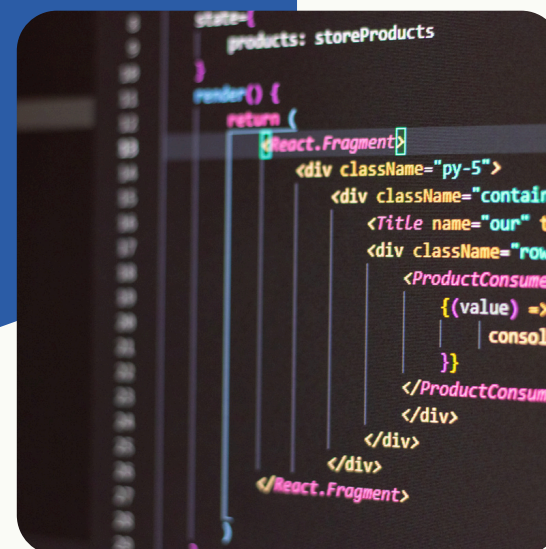
Automation

- Automated repetitive tasks and reducing manual workload.
- Streamlining workflows to improve efficiency and accuracy.



DataOps

- Gathering raw data from multiple sources for analysis.
- Cleaning, transforming, and validating data to ensure quality.
- Analyzing datasets to identify trends, insights, and actionable outcomes.



Web Development

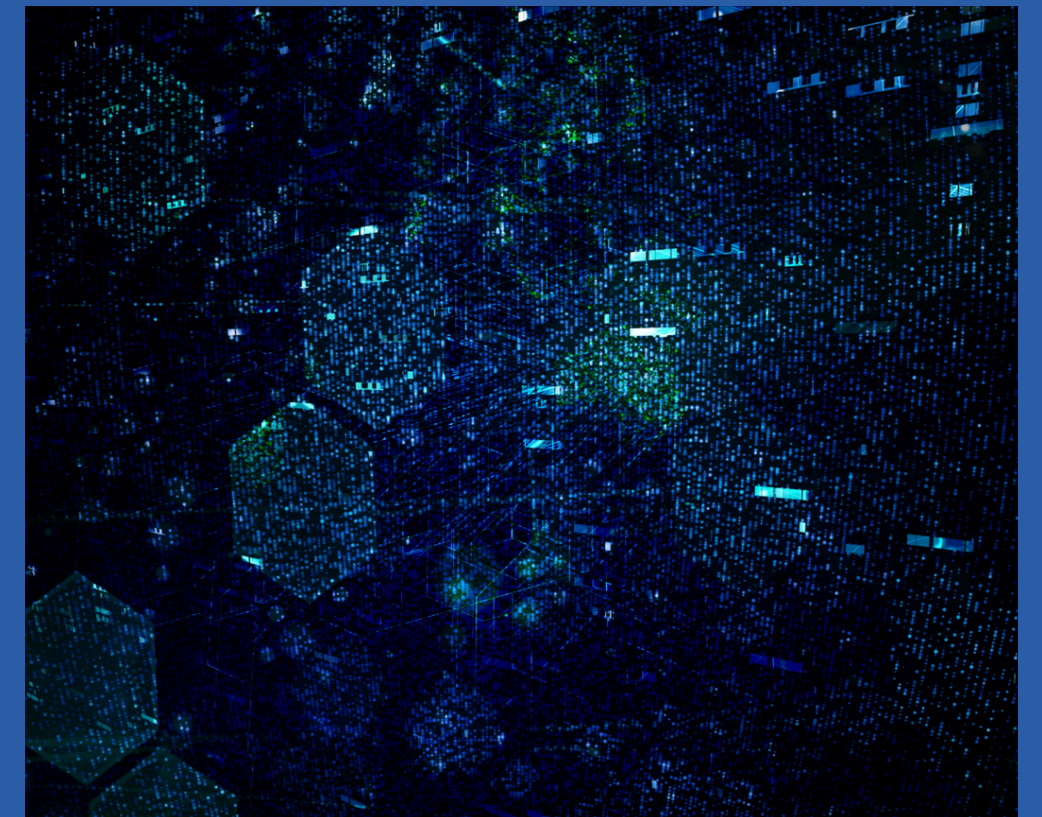
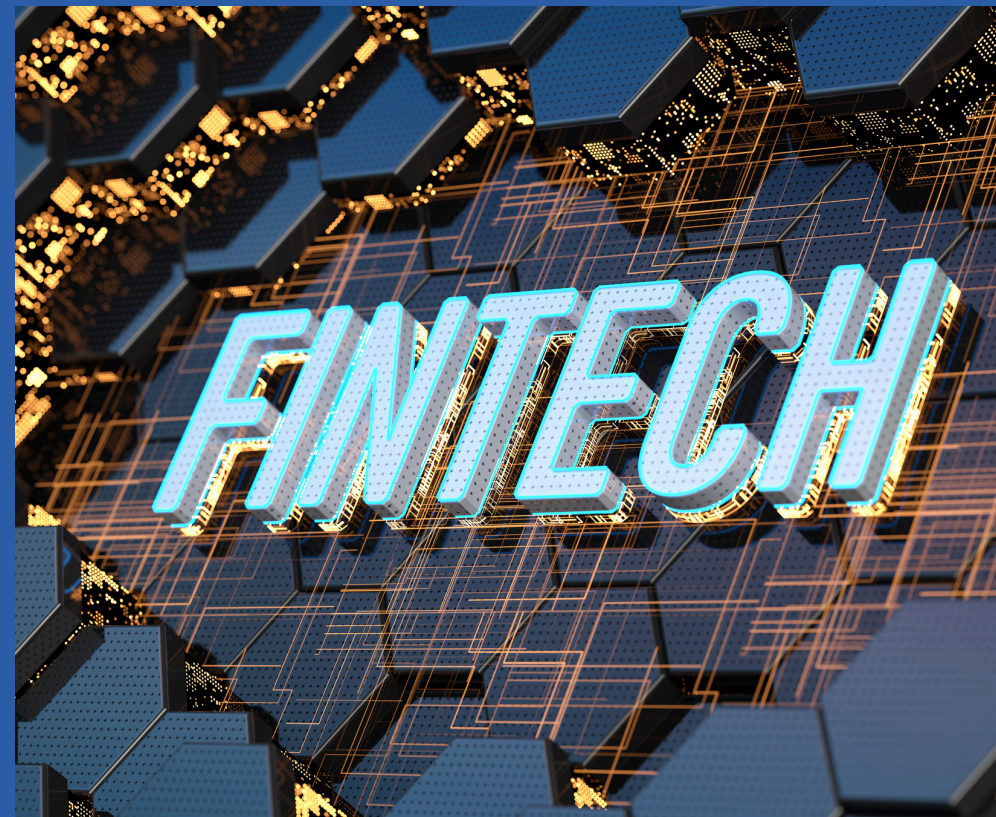
- Enhancing organization website
- Improving user interfaces and functionalities for better usability.

Task and Responsibilities

Automation (RPA)



-
- Bank Negara Malaysia Payment Card Reform Framework Monthly (PCRF-M) Report Generation
 - BNM (PCRF-M) Terminal MPOS Report Generation
 - AMEX Project - Implementation of New Specifications for Merchant onboarding file requirement "S/E Demographics File"
 - MRP Monthly Commission Fees Reconciliation



Automation (RPA)

crontab guru

The quick and simple editor for cron schedule expressions by Cronitor

“At 02:00 on day-of-month 1.”

next at 2024-11-01 02:00:00

random

0 2 1 * *

minute hour day (month) day (week)

* any value
' value list
, separator
- range of values
/ step values

Card Brand	Type of Merchant	TPV (RM)	MDR	Transaction Count
Visa	Professional and commercial services			
Visa	Accommodation and Hotel			
Visa	Retail			
Visa	Professional and commercial services			
Visa	Amusement and entertainment			
Visa	Other type of merchant			
Visa	Amusement and entertainment			
Visa	Financial service			
MyDebit	Amusement and entertainment			
MyDebit	Accommodation and Hotel			
MyDebit	Professional and commercial services			
MyDebit	Retail			
Visa	Financial service			
MyDebit	Other type of merchant			
Mastercard	Other type of merchant			
Visa	Accommodation and Hotel			

```
EXPLORER
CRON [WSL: UBUNTU-20.04]
cron_merchant_creation_summary_r...
cron_merchant_creation.php
cron_merchant_director_watchlist.php
cron_merchant_registered_duitnow_...
cron_merchant_risk_profiling_summa...
cron_molopa_recon.php
cron_monthly_BNPL_IOUPay_report....
cron_monthly_boost_offline_report.p...
cron_monthly_boost_online_report.p...
cron_monthly_boost_online_wallet_i...
cron_monthly_booster_hold_settlem...
cron_monthly_cash_adjustment.php
cron_monthly_cashkkmart_summary....
cron_monthly_cil_diners_report.php
cron_monthly_commission_affin.php
cron_monthly_commission_ambank....
cron_monthly_commission_cardbiz.p...
cron_monthly_commission_HLB7E.php
cron_monthly_commission_Pfjcpacifi...
cron_monthly_Deletetoken.php
cron_monthly_eform_reload_service_...
cron_monthly_enetsd_submerchant_...

cron_PCRF_M_MPOS_report.php
cron_monthly_MRP_commission_fee_recon.php M X .env
cron_monthly_MRP_commission_fee_recon.php
2 /**
6 *
7 * @category Cron
8 * @package Core
9 * @author Fiuu Technical <technical-sa@fiuu.com>
10 * @license http://www.gnu.org/copyleft/gpl.html GNU General Public License
11 * @link http://www.hashbangcode.com/
12 * @SuppressWarnings(PHPMD.ShortVariable)
13 */
14 header('Content-Type: text/plain; charset=utf-8');
15
16 $_SERVER['HTTPS'] = "on";
17 if (extension_loaded('newrelic')) {
18     newrelic_background_job(true);
19     newrelic_ignore_apdex();
20     newrelic_name_transaction($_SERVER['SCRIPT_FILENAME']);
21     newrelic_capture_params();
22 }
23
24 $CRONPATH = "/usr/local/etc/service/cron/";
25 $LOGNAME = basename(__FILE__, '.php');
26
27 // Import modules
28 require_once $CRONPATH."includes/func_utilities.php";
29 require_once $CRONPATH."includes/couchdb_name.inc";
30
```

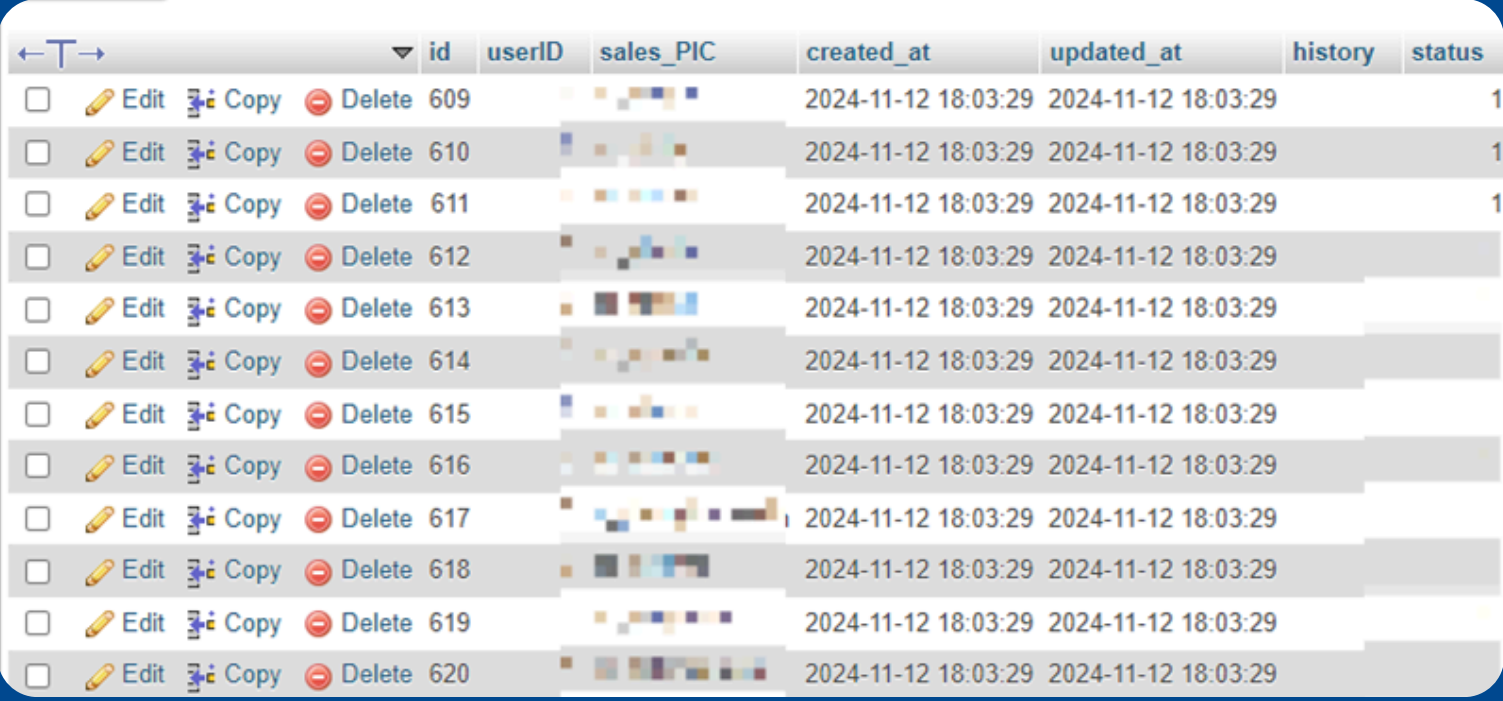
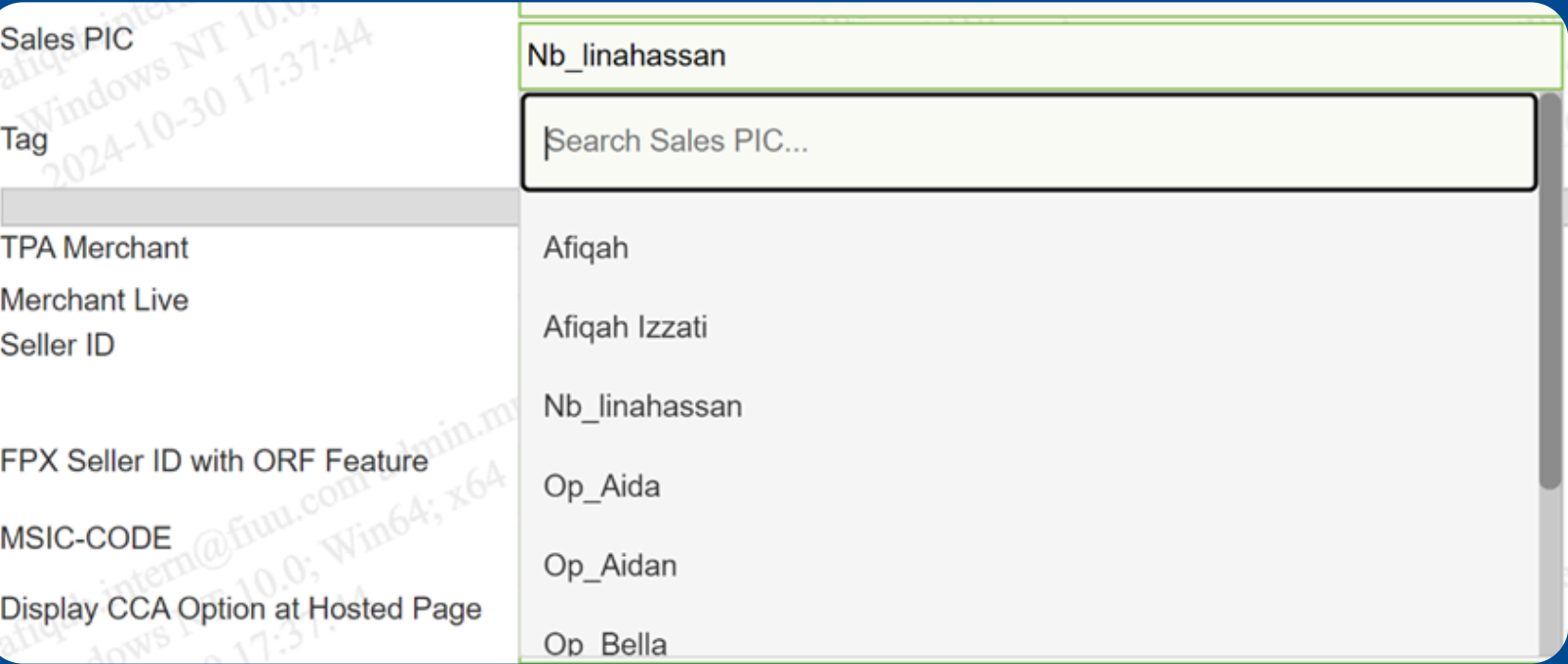
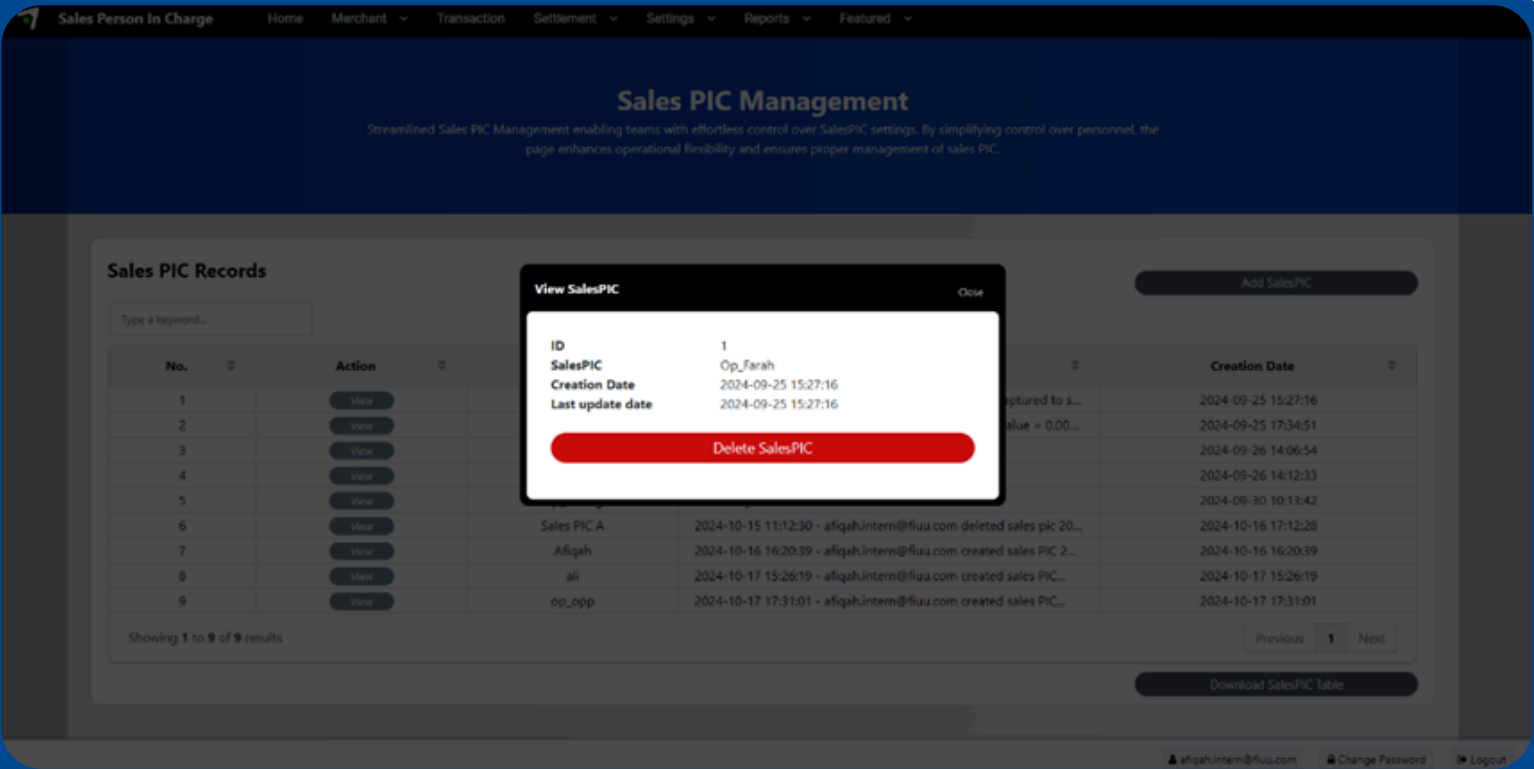
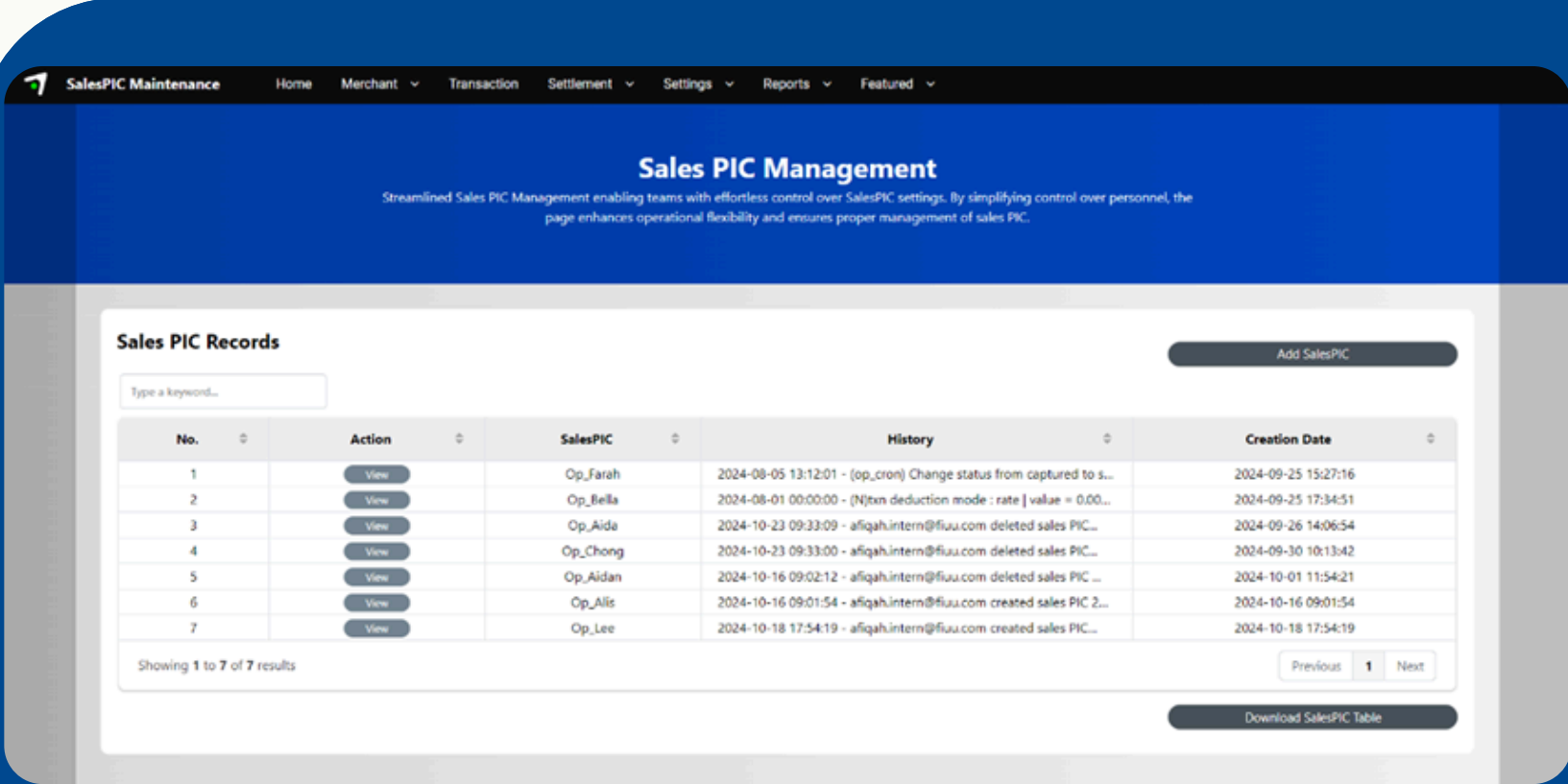
Transaction Type	Card Type	Card Brand	Type of Merchant	TPV (RM)	Transaction Count
1 - Local Cardholders in MY	Credit Card	Mastercard	Amusement and entertainment	922.00	4
1 - Local Cardholders in MY	Debit Card	Visa	Other type of merchant	171.00	3
1 - Local Cardholders in MY	Debit Card	Visa	Accommodation and Hotel	1,547.20	1
1 - Local Cardholders in MY	Debit Card	Visa	Professional and Commercial Services	129.00	1
1 - Local Cardholders in MY	Debit Card	Mastercard	Amusement and entertainment	270.00	4
1 - Local Cardholders in MY	Debit Card	Mastercard	Other type of merchant	1,444.00	3
1 - Local Cardholders in MY	Credit Card	Visa	Professional and Commercial Services	16,205.24	119
1 - Local Cardholders in MY	Credit Card	Mastercard	Other type of merchant	724.00	1
1 - Local Cardholders in MY	Debit Card	Visa	Financial service	1,417.00	1
1 - Local Cardholders in MY	Credit Card	Mastercard	Professional and Commercial Services	5,745.07	164
1 - Local Cardholders in MY	Credit Card	Visa	Accommodation and Hotel	12,486.24	13
1 - Local Cardholders in MY	Debit Card	Mastercard	Financial service	1,400.21	4
1 - Local Cardholders in MY	Credit Card	Mastercard	Accommodation and Hotel	1,447.00	13
1 - Local Cardholders in MY	Debit Card	Mastercard	Professional and Commercial Services	1,007.62	14
1 - Local Cardholders in MY	Debit Card	Mastercard	Accommodation and Hotel	8,414.00	13
2 - Local Cardholders Abroad	Credit Card	Mastercard	Other type of merchant	92.00	1
2 - Local Cardholders Abroad	Credit Card	Visa	Other type of merchant	11,140.17	14
2 - Local Cardholders Abroad	Debit Card	Mastercard	Other type of merchant	2,100.20	13
Total records processed: 18					
End of Report for the month					
Report attached to email					
Send mail to afiqah.intern@fiuu.com, afiqah.intern@fiuu.com SUCCESS					
2024-09-19 12:36:07 END					

Web Development

Sales Person In Charge Management for Admin Portal Enhancement

- 01** Sales PIC Setting Page
- 02** Enhancing Sales PIC Dropdown
- 03** Data Insertion and Validation

Web Development





DataOps

Retrieving Token Data
and Merchant
Inactivity Analysis for
Business Department

Success Rate Data
Pulling and Analysis
for merchant
luckincoffeesg

Merchant List for
Email Blast, targeting
XDK merchants using
Google Pay

Top 5 payment app
by ranking scanned
DuitnowQR for Lazada

Merchant Sampling
Data List Generation
for KPMG Auditors

Latest list of
merchant information
with e-invoice profile
information.

...

...

```
[7]: with open('/etc/environment', 'r') as f:
      for line in f:
          if '=' in line:
              name, value = line.strip().split('=', 1)
              value = value.replace("'", "")
              os.environ[name] = value

# read3
READ3_IP = os.getenv('READ3_IP')
READ3_USER = os.getenv('READ3_USER')
READ3_PASSWORD = os.getenv('READ3_PASSWORD')
```

Gitlab Profile



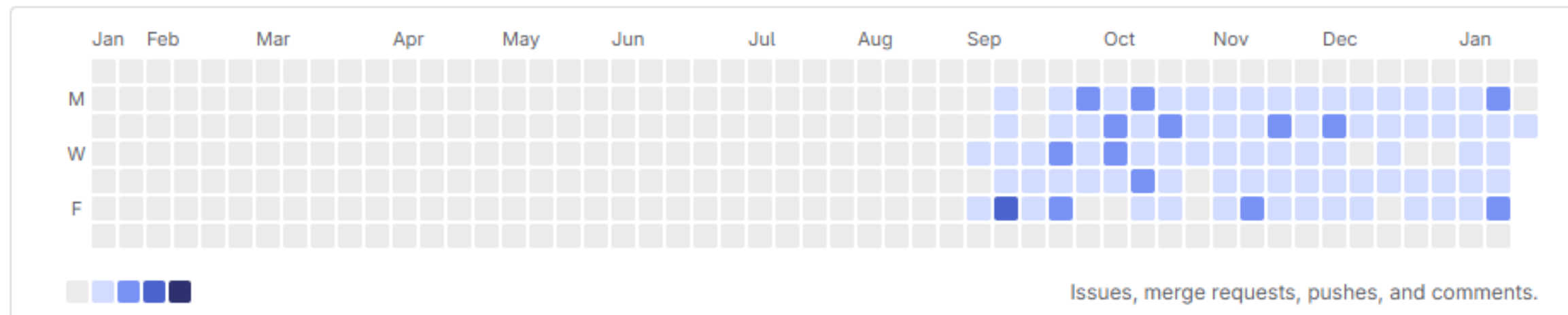
Afiqah Izzati binti Azzerol Effendi
@afiqah.intern

Edit profile



Activity

[View all](#)



Info

Member since September 02, 2024

Contact

live:.cid.78623f37854fd730

Skills Gained



Technical Skills

- **CI/CD Pipeline:** Hands-on experience in setting up and managing CI/CD pipelines using GitLab for efficient software deployment.
- **Automation:** Developing scripts to streamline operational processes.
- **Data Handling:** Proficient in data extraction, processing, and analysis.



Soft Skills

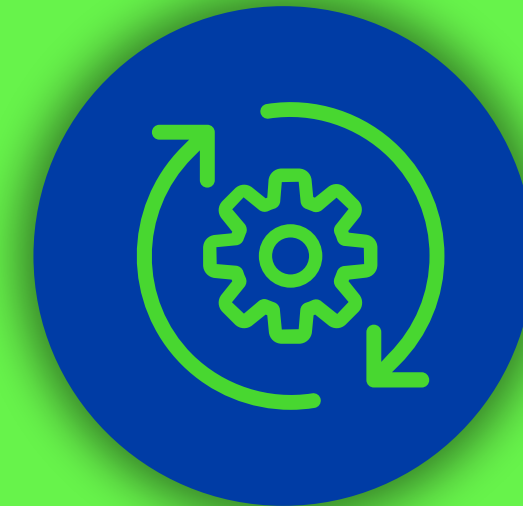
- Problem-solving and critical thinking.
- Effective communication and teamwork.
- Adaptability to a fast-paced environment.

Challenges **and** Solutions



Challenges

- Adapting to new tools (e.g., Docker, PHP for automation).
- Understanding complex database structures.
- Debugging and optimizing scripts for large datasets.



Solutions

- Followed comprehensive documentation and conducted hands-on practice with mentorship support.
- Explored database schemas using visualization tools like entity-relationship diagrams.
- Used logging and iterative testing, ensuring efficient data processing.

Conclusion

- The internship provided hands-on experience in automation, data processing, and web development.
- Strengthened both technical and soft skills for future career growth.
- Gained valuable insights into the fintech industry's operations and challenges.





Thank You

For Your Attention