



DendaGuard

AI-Powered Labour Law Chatbot, Contract Validator,
Termination Checker & Compensation Calculator

Presented By:

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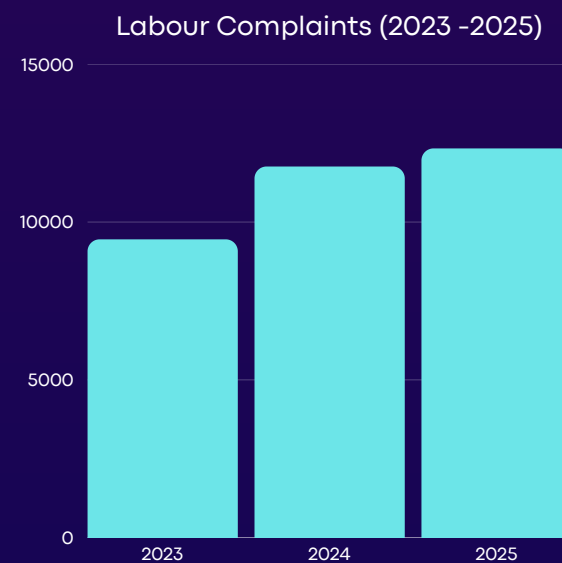
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Problem Statement & Motivation



Problem Statement & Motivation



- Can't afford hiring a professional legal consultant
- Unable to rely on online templates because they are not tailored to Malaysian law or bilingual requirements

Result: Employers are legally defenseless against claims

- SMEs have no idea about workforce costs
- Their financial statements do not clearly show unpaid wages, overdue OT payments, compensation owed for terminations and etc.

Result: Hidden Liability + One Audit = Instant Cash Flow Death





Target User

**Small and Medium Enterprises
(SMEs)**



Our Problem

**How can we help SMEs stay legally compliant
while saving time and avoiding unnecessary
costs?**



Our Solutions

Bilingual Labour Law Chatbot

An always-on AI legal consultant trained on Malaysian Labour Law.

Contract Validator & Generator

Scans PDFs for non-compliant clauses, regenerates a corrected contract instantly, and delivers AI risk insights, including estimated legal penalties and statutory obligations.

AI Termination Checker & Compensation Calculator

It computes the exact Notice Pay + Termination Benefits to fire someone legally, preventing "Wrongful Dismissal" lawsuits.

Tech Stack

Frontend



Streamlit

Backend



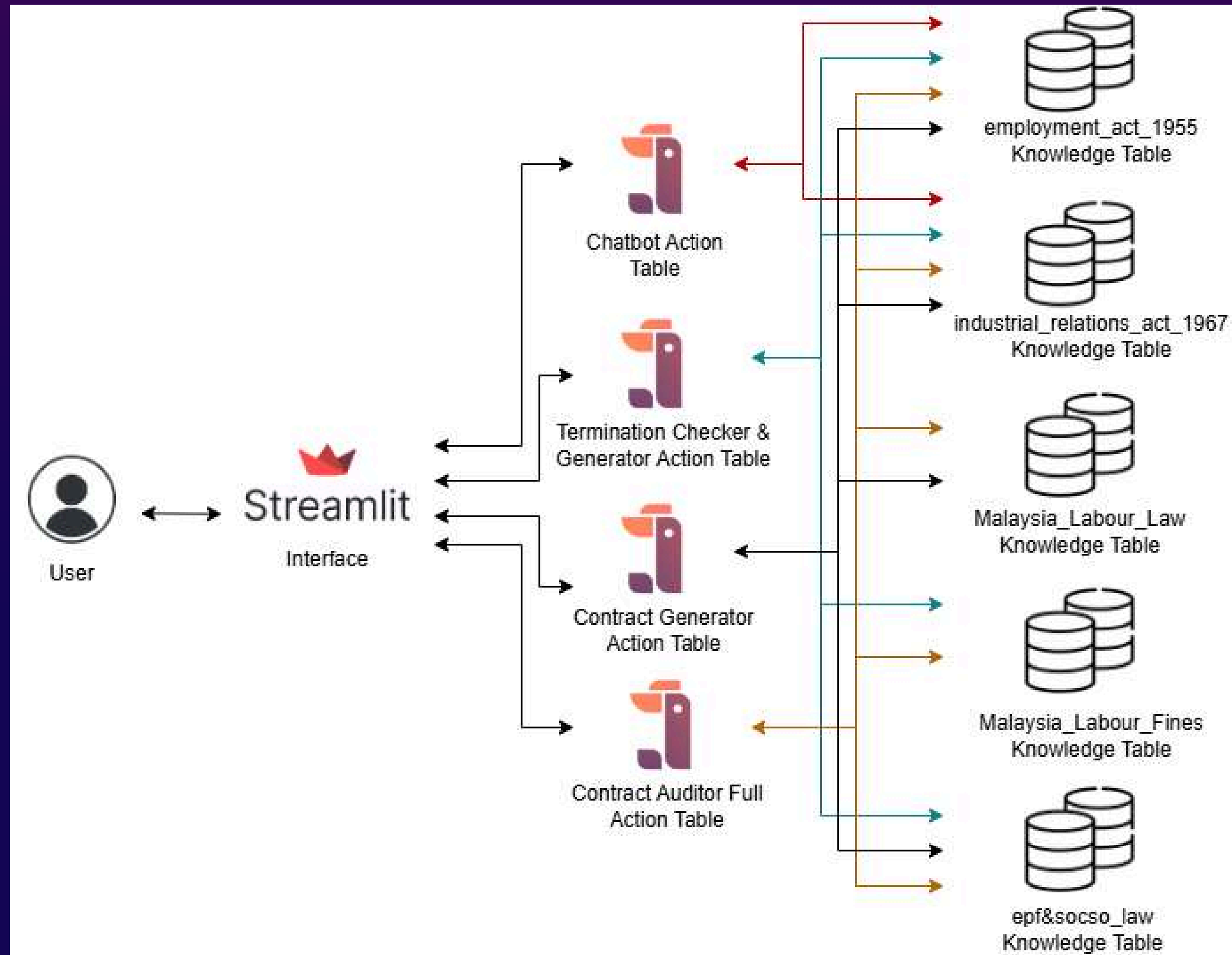
Python

RAG



JamAI Base

System Architecture



Key Features - AI Chatbot

how much i will be paid if i work overtime

For overtime work, you shall be paid at a rate not less than one and a half times your hourly rate of pay (Section 60A(3)(a)). If you work on a paid public holiday, overtime pay shall be at least three times your hourly rate (Section 60D(3)(aa)).

what are the consequences of not complying with labour law

Failure to comply with labour law may result in criminal offences, fines, and imprisonment. Specific penalties include: - Fines up to RM50,000 under Section 99A for offences not otherwise specified. - For failure to pay wages on rest days or at incorrect rates, employers face fines and court orders to pay the owed wages (Section 100). - Employers who obstruct the Director General's access to premises, provide false information, or conceal documents commit offences under Section 98. - Employers who prevent employees from appearing before the Director General commit an offence under Section 99. - In severe cases, employers may be detained in custody for up to three months under Section 91(2), subject to security or payment of claims.

apakan kiraan kadar OT untuk 2 jam

Kadar OT untuk 2 jam ialah 2 kali kadar gaji sejam (2 x hourly rate of pay), seperti yang dinyatakan dalam Seksyen 60(3)(c) dan Seksyen 60I(1B).

Legally-Grounded Answers

- Generates concise responses based on the current related law
- Uses Retrieval-Augmented Generation (RAG) to fetch and apply relevant legal sections before answering

Multilingual Support

- Support conversation in both Malay and English

Contract Validator

Not only tell you what is wrong, but ...

Validate employment contracts against Employment Act 1955 & Industrial Relations Act 1967

Upload Employment Contract (PDF) ?

Drag and drop file here
Limit 200MB per file • PDF

Browse files

mock_contract2.pdf 33.5KB

File uploaded: mock_contract2.pdf

Validate Contract

Generate Corrected Contract

Analyzing contract clauses...

Detected Language: my Bahasa Melayu

- Automatically identifies illegal clauses and explain why they violate legal requirements
- Generates a corrected version of contract and ready to be downloaded

auto detect contract's language --> instantly change the interface to the detected language!

Contract Validator

Not only tell you what is wrong, but ...

- Explains the potential legal risks and penalties businesses may face if the contract is left uncorrected.

Financial Liability Analysis

Extracted Employee Profile

Name	Position	Base Salary	Start Date
[Employee Name]	General Worker	RM 900.00	-

Likely Liability (Compound)
RM 125,715.46
↑ Settlement Risk

Worst Case (Court Max)
RM 463,215.46
↑ Max Penalty

View Liability Breakdown

- ⚠ Failure to pay Minimum Wage: RM 12,500 (Fine) + RM 7,200.00 (Arrears) (Top-up to RM1,500 for 1 year)
- ⚠ Exceeding 45-hour work week limit: RM 12,500 (Fine) + RM 1,687.50 (Arrears) (Est. 5hrs OT/week x 1 year)
- ⚠ Failure to pay Overtime: RM 12,500 (Fine) + RM 1,687.50 (Arrears) (Est. 5hrs OT/week x 1 year)
- ⚠ Denial of Sick Leave and Public Holidays: RM 12,500 (Fine) + RM 138.46 (Arrears) (Compensation for unused & denied leave)

Termination Manager

Employee Termination & Compensation Generator

Upload Employee CSV/Excel

Drag and drop file here
Limit 200MB per file • CSV, XLSX

Browse files

mock_employees.csv 210.0B

Preview Employee Data

	name	role	start_date	salary	unused_leave
0	Ahmad Bin Ali	Software Engineer	1/01/2022	5000	5
1	Siti Binti Omar	HR Executive	15/03/2023	4000	2

Select Employee to Terminate

Ahmad Bin Ali

Termination Reason

Poor Performance

Select Employee(s) to Terminate

Ahmad Bin Ali

Termination Reason

Poor Performance

☒ Check Termination & Generate Letter(s)

☒ Termination allowed for Ahmad Bin Ali

💰 Compensation for Ahmad Bin Ali

Notice Pay: RM 5000

Severance: RM 5000.0

Unused Leave: RM 1037.74

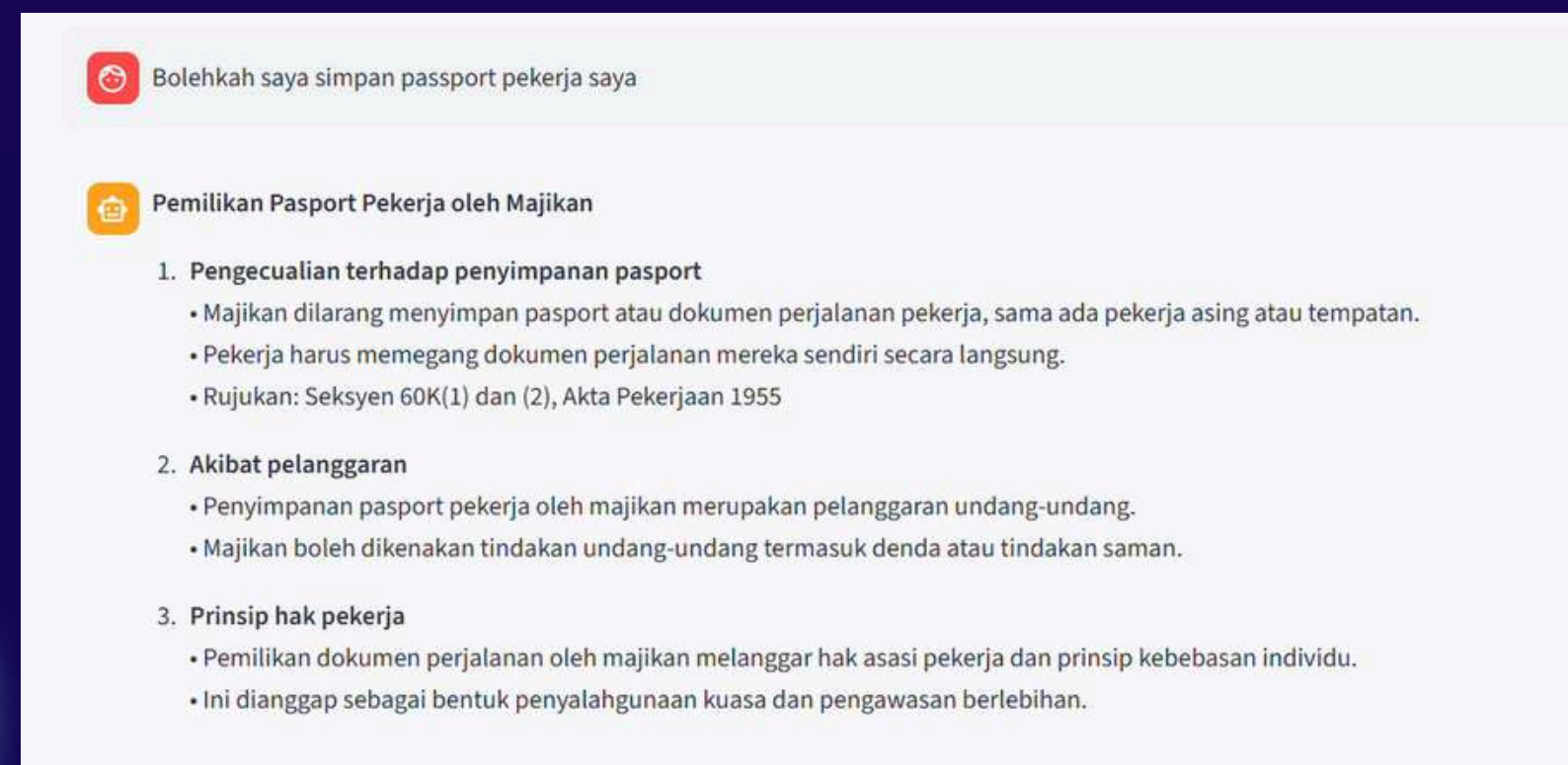
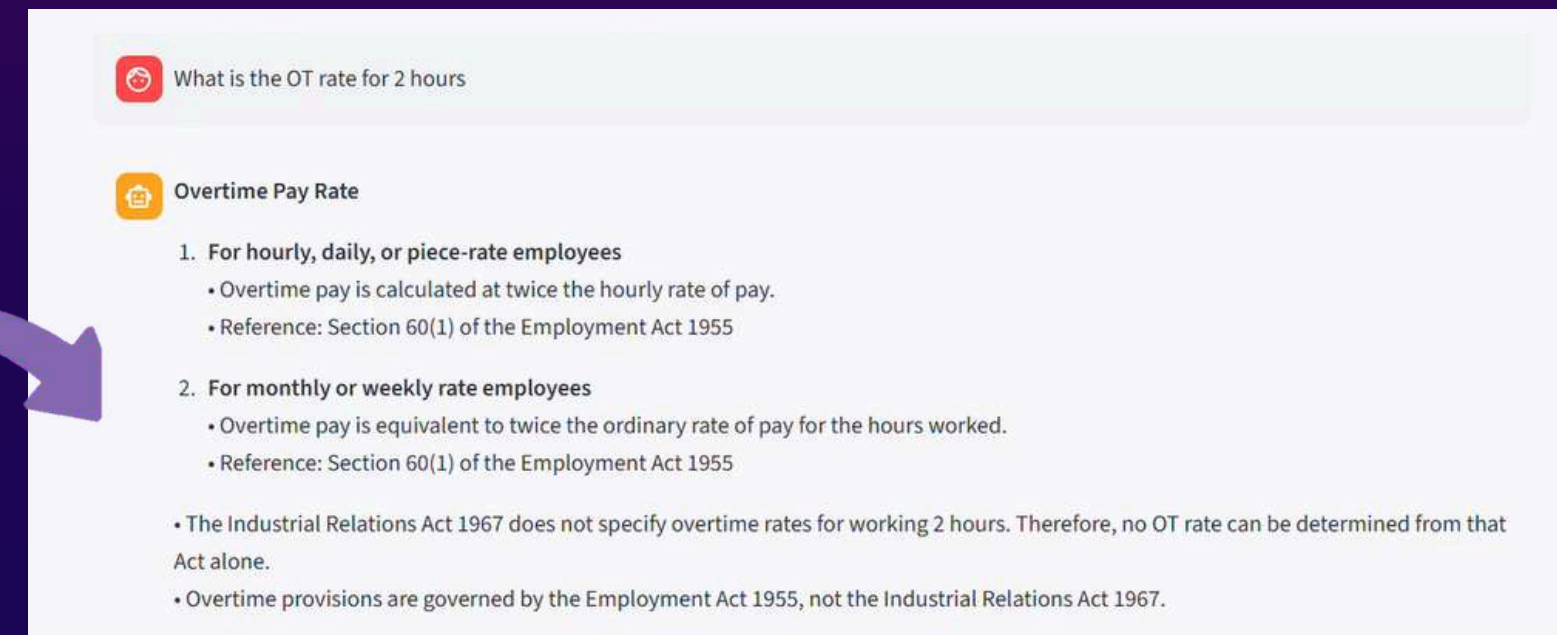
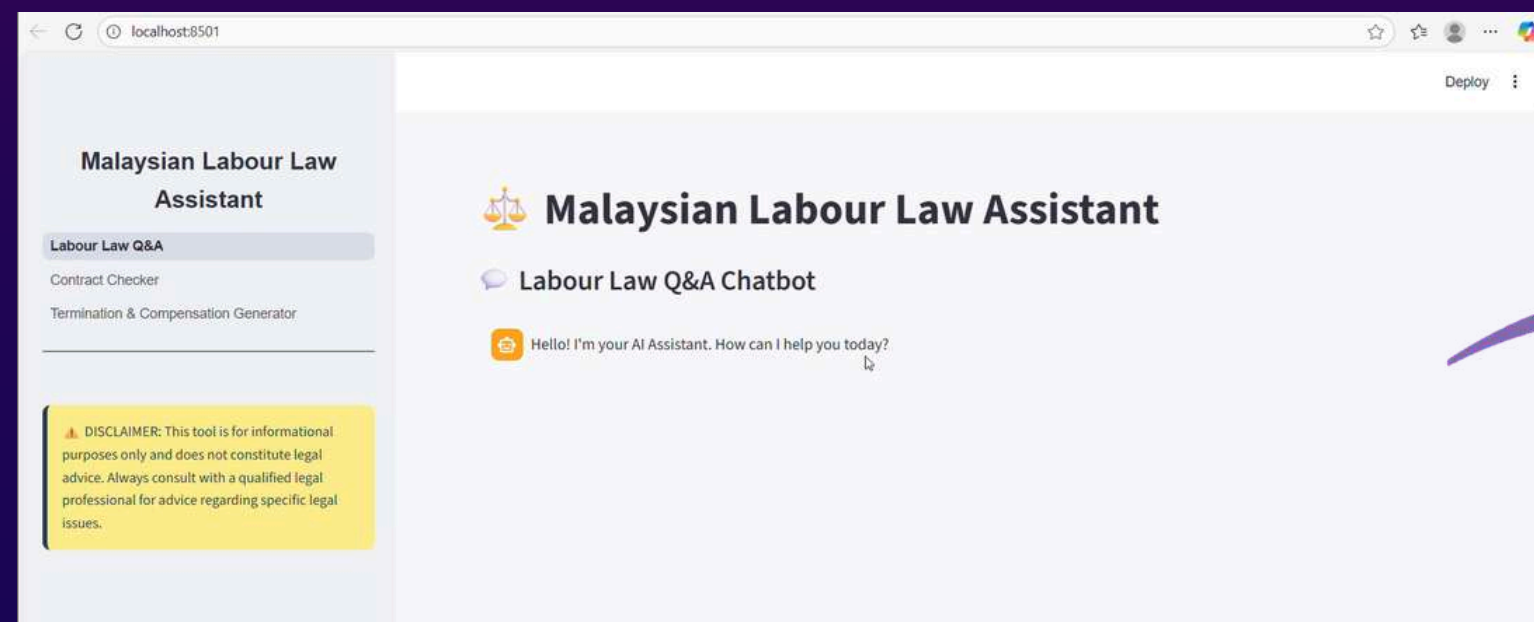
Total Compensation: RM 11037.74

Download Termination Letter - Ahmad Bin Ali

Personalised Termination Checker

- Employers are able to upload their own employee database
- Termination letter auto-generated based on name, roles and compensation

User Journey & Flow



User Journey & Flow



Malaysian Labour Law Assistant

Validate employment contracts against Employment Act 1955 & Industrial Relations Act 1967

 Upload Employment Contract (PDF)



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mock_contract1.pdf 72.8KB



✓ File uploaded: mock_contract1.pdf

Detected Language: GB English

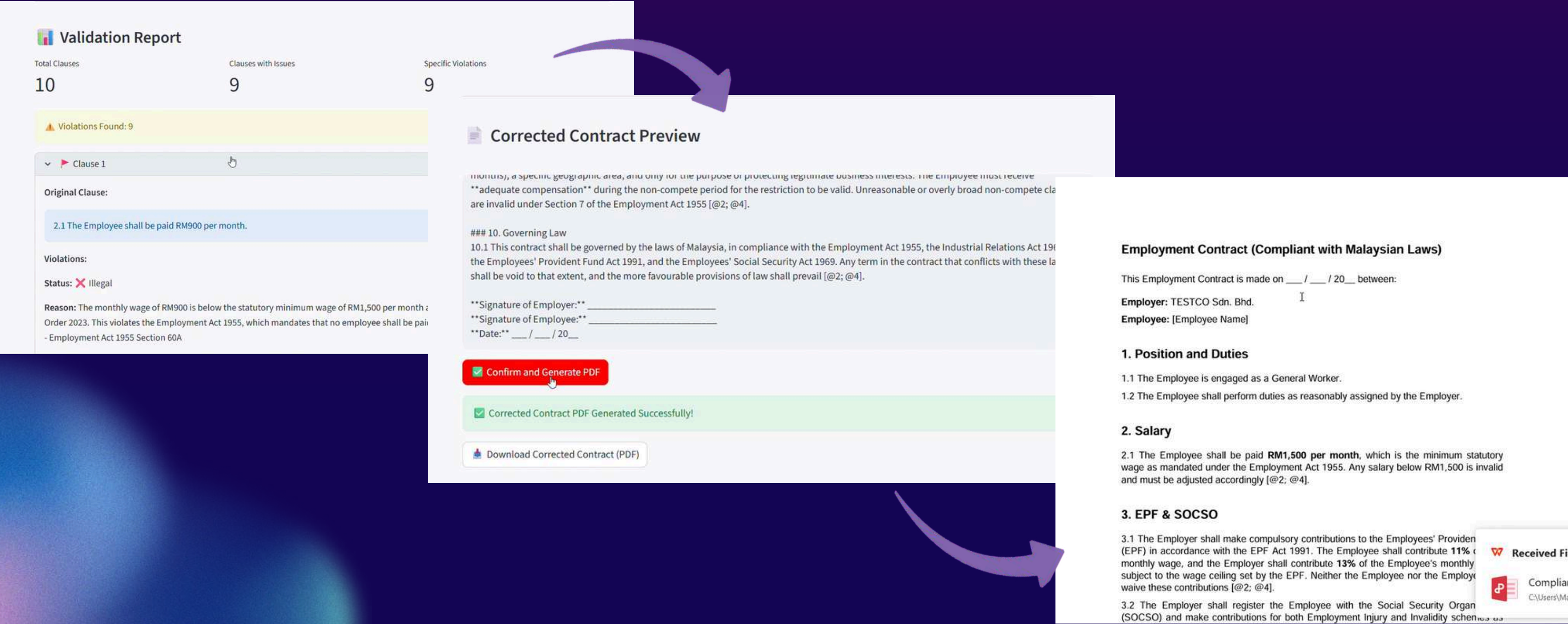


Validate Contract

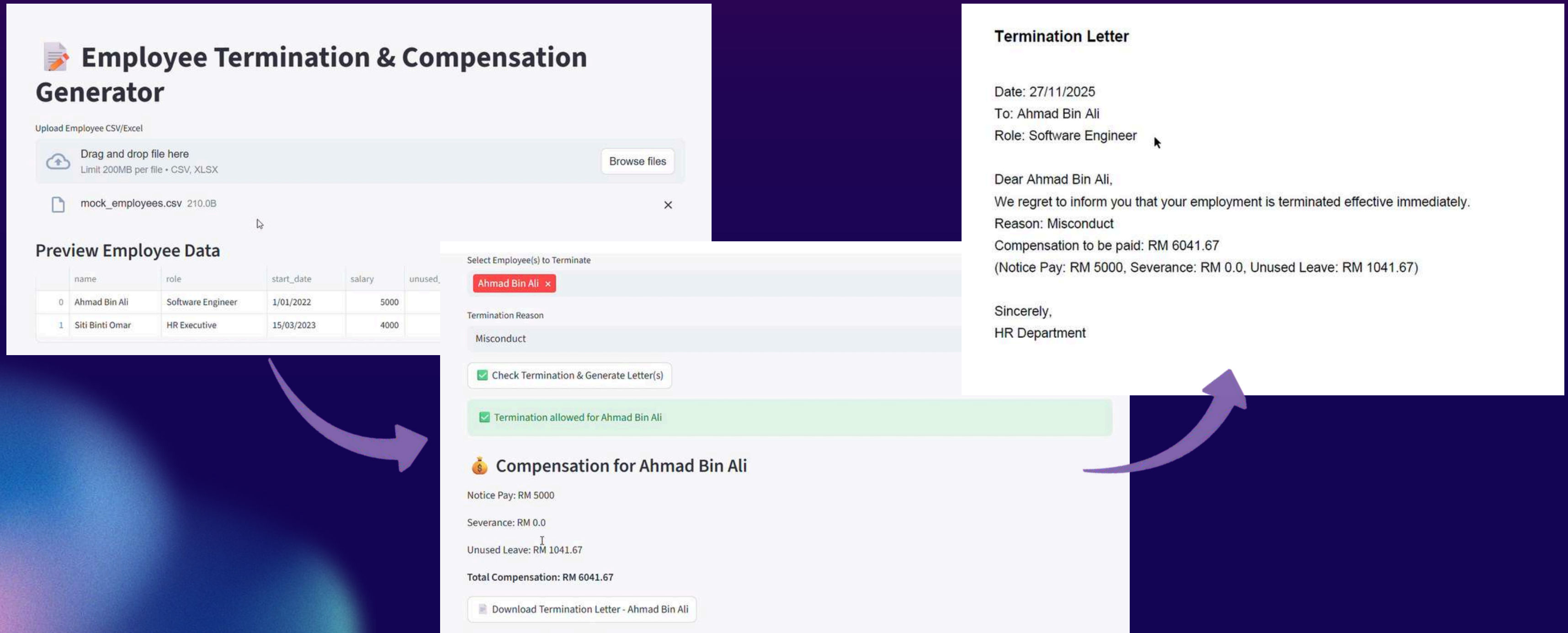


Generate Corrected Contract

User Journey & Flow



User Journey & Flow



Innovation & Differentiation

All In One

A platform for
everyday law-related
questions, drafting
contracts, and
understanding the
legal risks

Awareness

Not just answering,
but understanding —
able to explain
reasons and clarify
risks to user behind
every decision.

Future Improvement



Multi-Document Compliance Analyser

Check more than one
document at the
same time

Expanded Legal Coverage

Include more relevant
laws beyond what we
have now

Industry-Specific Law Packs

Refer to different
specific law for
different industry

Thank
You

