Job Posting and application management system

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Guided by:

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(external)

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Introduction of company

Name of Organization : SnakeCode Consultancy Pvt LTD

Type of Organization : IT service, Consulting and Business solutions

Year of Registration : 2023

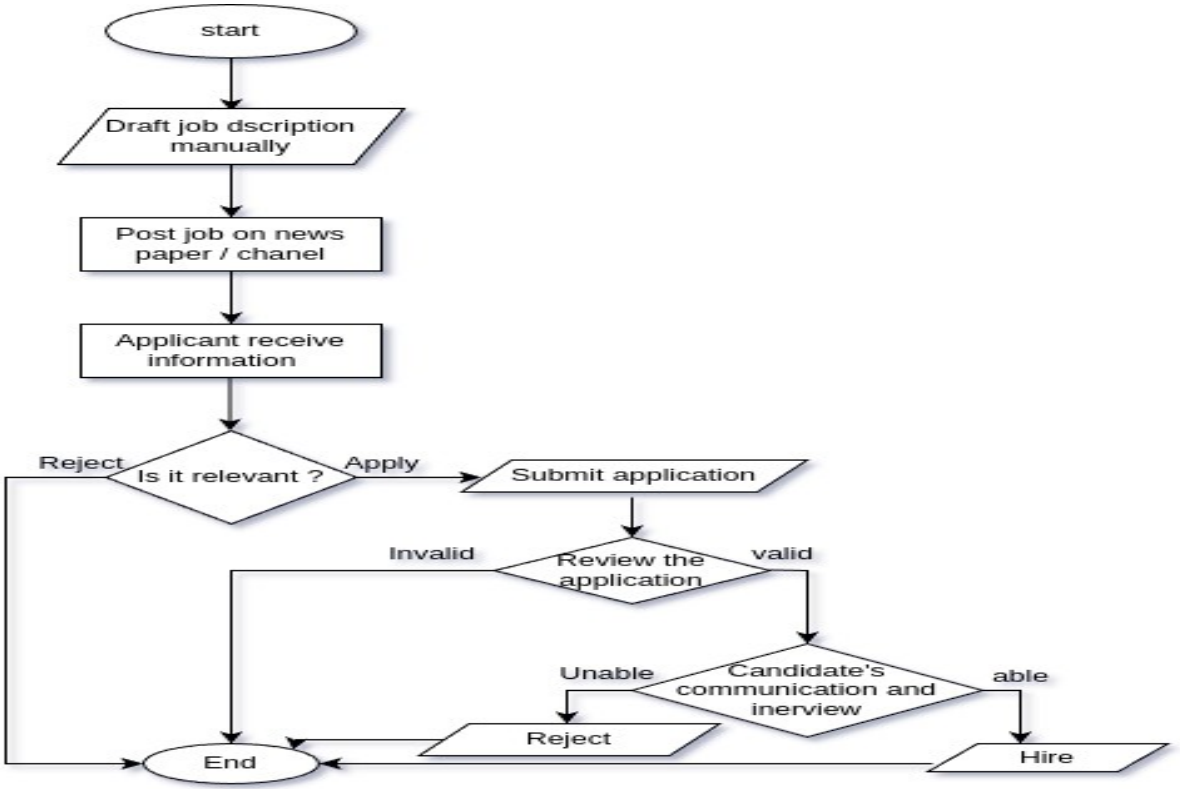
Address : 605, Siddhraj z square, opp. The Landmark, Podar International School, Kudasan, Gujarat 382421.

SnakeCode Consultancy Pvt LTD, 2023 માં સ્થપાયેલ, Odoo સોલ્યુશન્સનું વિશિષ્ટ પ્રદાતા છે,જે એન્ટરપ્રાઇઝ અને કોમ્યૂનિટી વર્ઝન બંને માટે કસ્ટમાઈઝડ સેવાઓ સાથે તમામ ઉદ્યોગોમાં ગ્રાહકોને સેવાઓ આપે છે. અમારી કંપની વ્યવસાયોની અનોખી જરૂરચરયાતો, ડ્રાઇવિંગ કાર્યક્ષમતા અને તેમની કામગીરીમાં નવીનતા પૂરી કરે તેવા અનુરૂપ ઉકેલો પહોંચાડવા માટે સમર્પિત છે. SnakeCode Consultancy Pvt LTD, 2023 માં પિનાકીન નાઈ અને યોગેશ પરમાર દ્વારા સ્થપાયેલ, Odoo સોલ્યુશન્સના ઉપયોગ દ્વારા ડિજિટલ યુગ માટે વ્યવસાયિક કામગીરીને આધુનિક બનાવામાં નિષ્ણાંત છે. તેમની કુશળતા અને નવીનતા માટે ના જુસ્સા સાથે, તેઓ અમારા ગ્રાહકો માટે અસાધારણ પરિણામો પોહચાડવામાં અમારી ટીમનું નેતૃત્વ કરે છે.

Introduction

- In today's dynamic job market, efficient recruitment processes are essential for organizations to attract and retain top talent. Our project aims to address this need by developing a comprehensive job posting and applicant management system.
- In today's fast-paced job market, organizations face challenges in effectively managing job postings and handling large numbers of applicants.
- The system will streamline the recruitment process for both employers and job seekers, providing a user-friendly platform for posting job vacancies, managing applications and making informed hiring decisions.

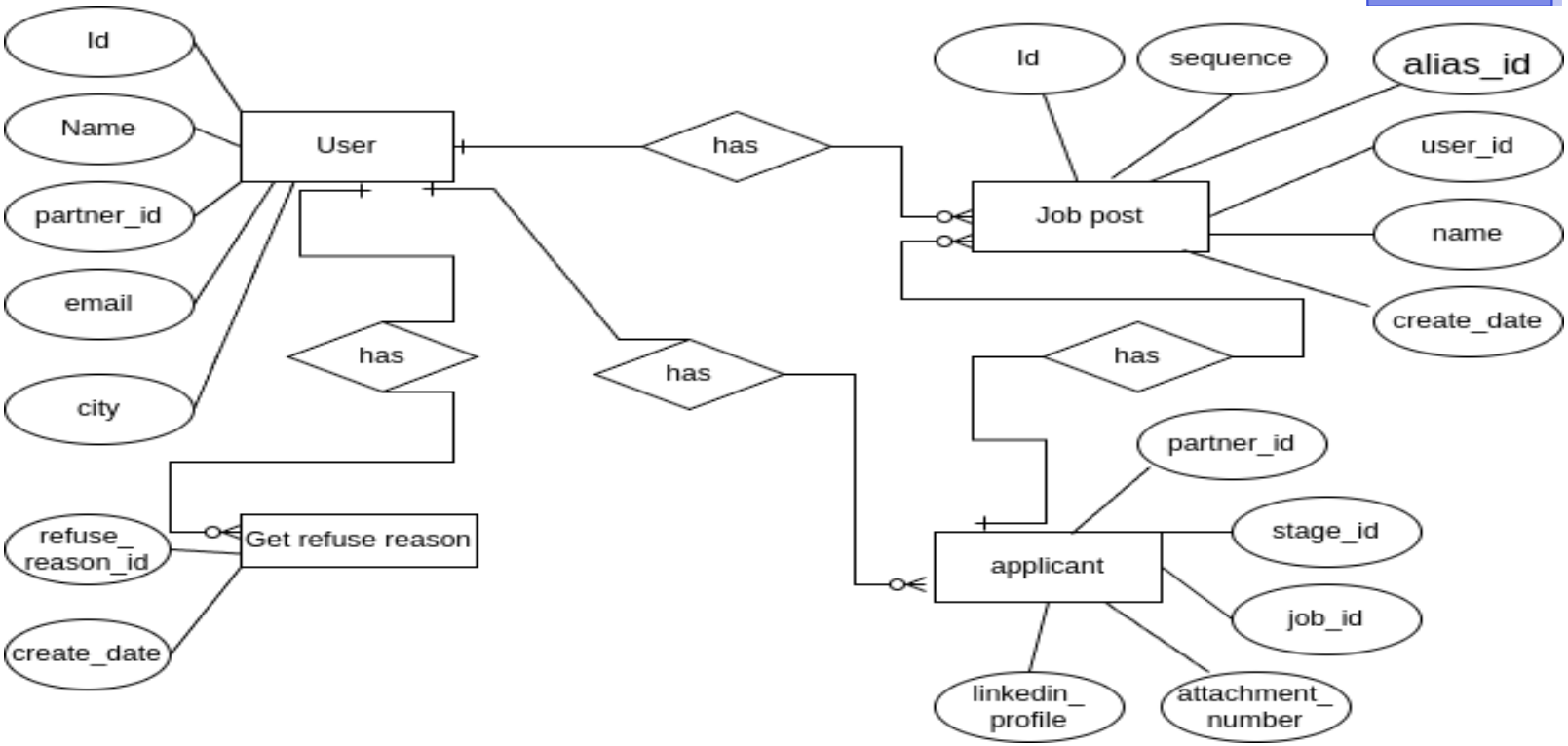
Existing System



Existing System

- Manual Job Description Drafting and Distribution
- Manual Submission of Applications
- Manual Review of Applications and Communication with Candidates
- Manual Interview Scheduling and Conducting
- Manual Hiring Decisions
- Manual Job Offer Extension and Negotiation
- Manual Onboarding Processes
- Manual Post-Hiring Record-Keeping
- Time-Consuming and Error-Prone Process

ER diagram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reason_id
Get refuse reason
create_date
partner_id
stage_id
applicant
job_id
linkedin_
profile
attachment_
number

System analysis

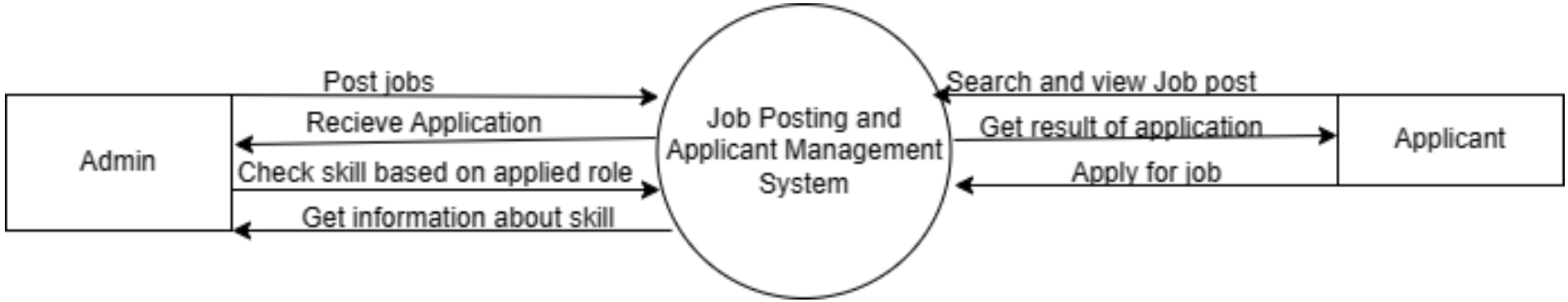
Objectives:

- Develop a modern job posting and applicant management system to streamline recruitment processes, enhance candidate experience, optimize recruitment strategies, ensure compliance and promote cost-effectiveness.

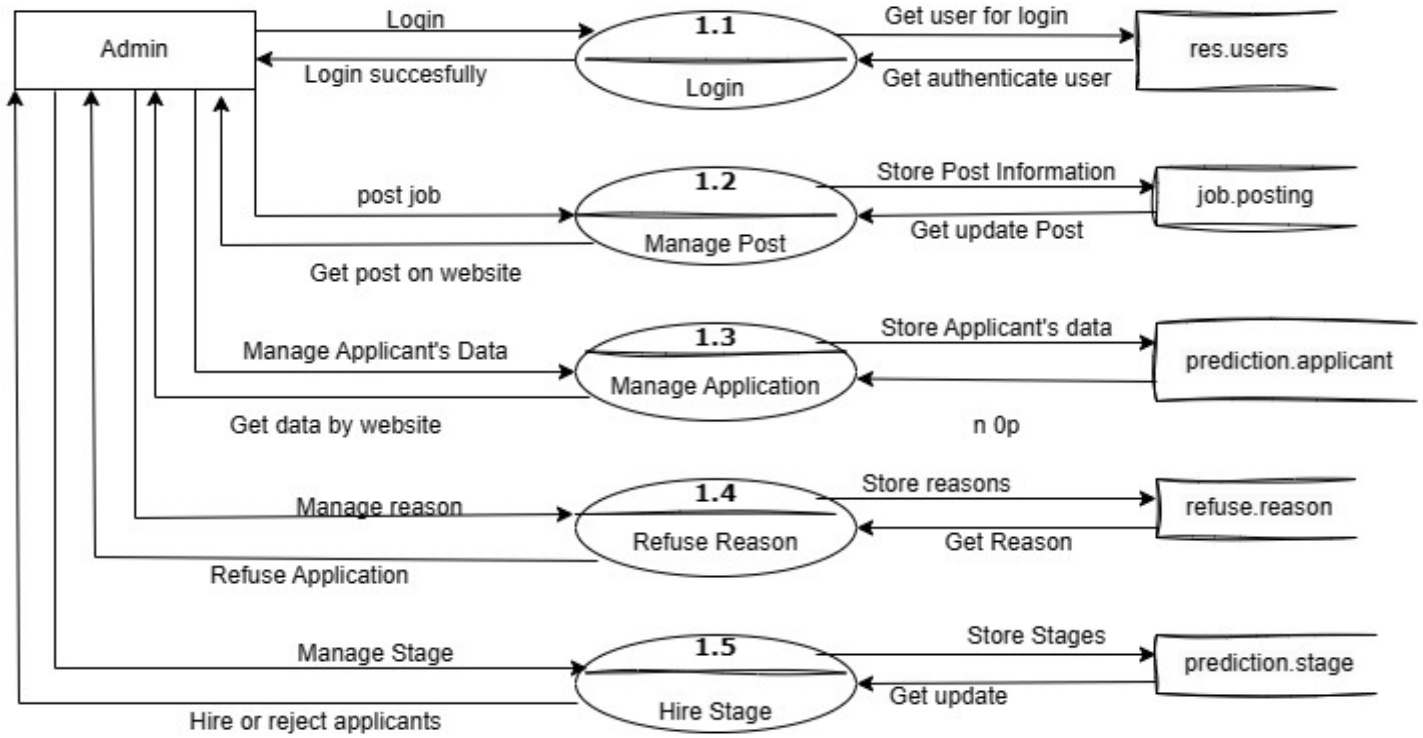
• Scope:-

- Create job posts with customizable templates.
- Applicant search and filtering capabilities.
- Resume Parsing and Skill Extraction.
- Interview scheduling and management tools.
- Onboarding checklists and workflows.
- Security features to protect applicant data.
- Allows applicants to submit resumes and applications electronically.
- Sort applicants by job posting and application status (eg, screening, interview).

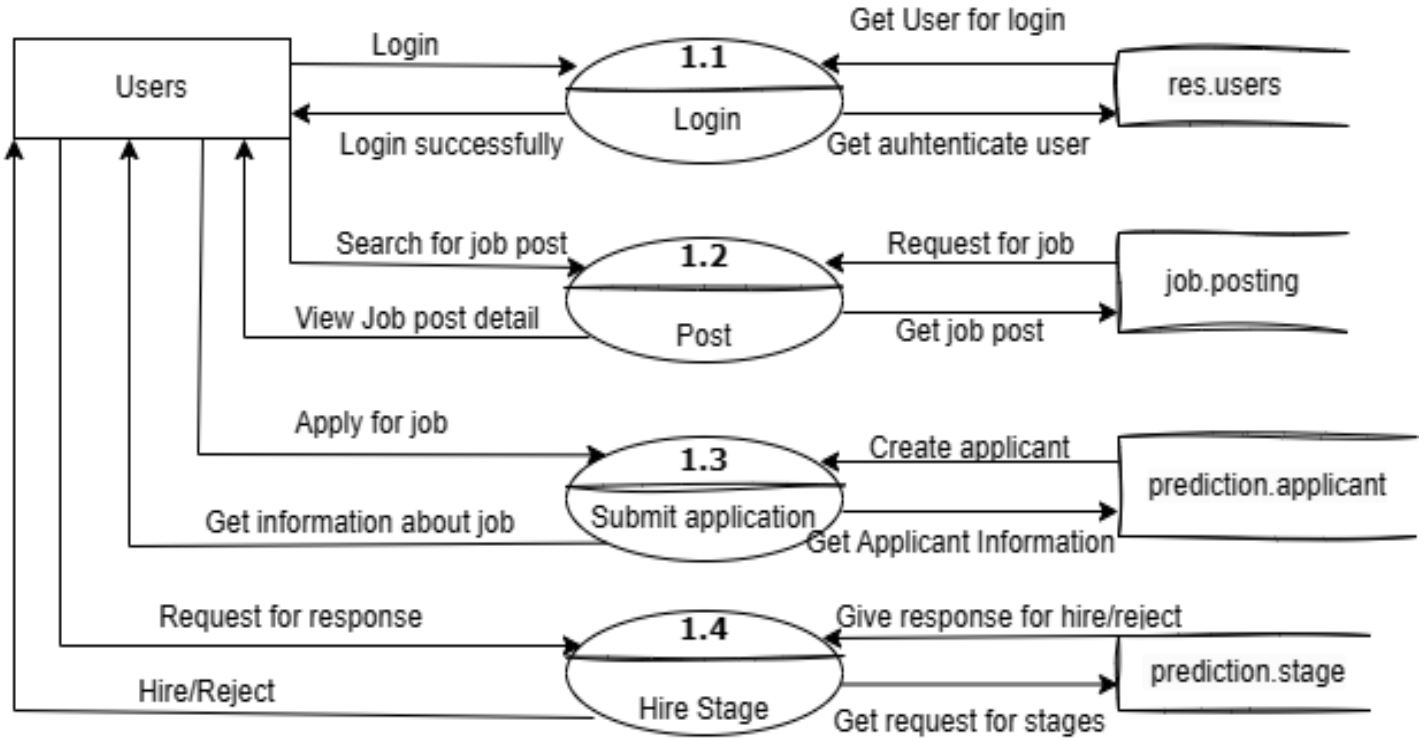
Context Level DFD



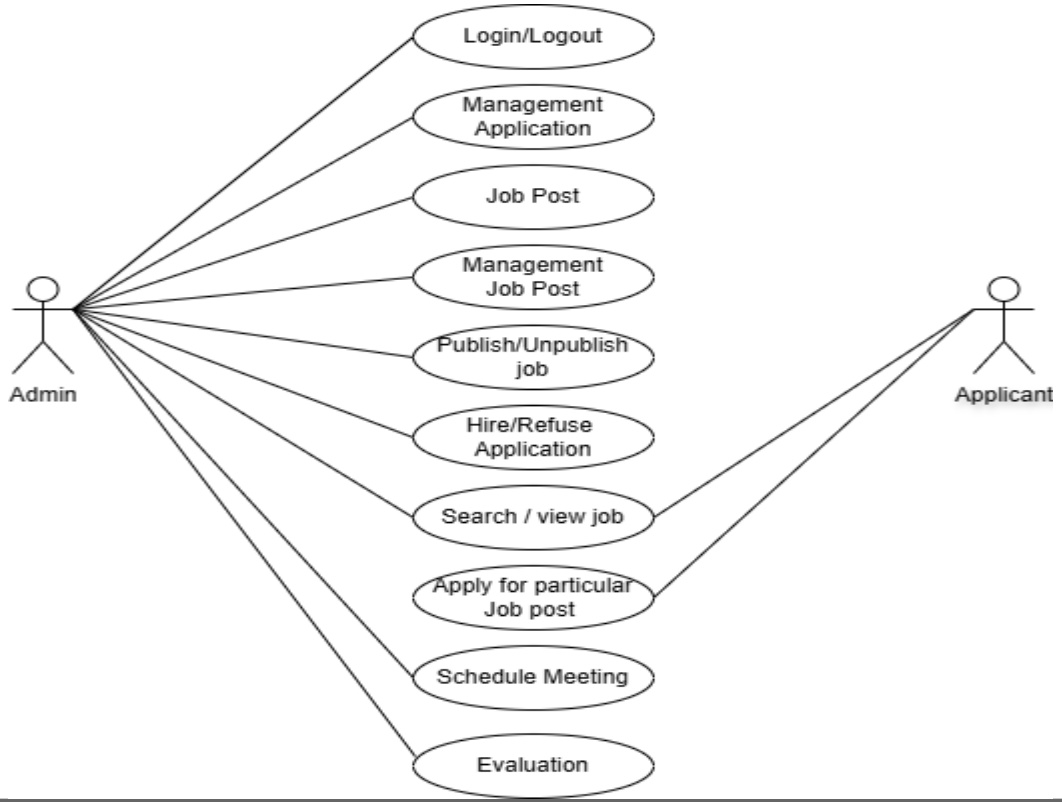
1st Level DFD (admin)



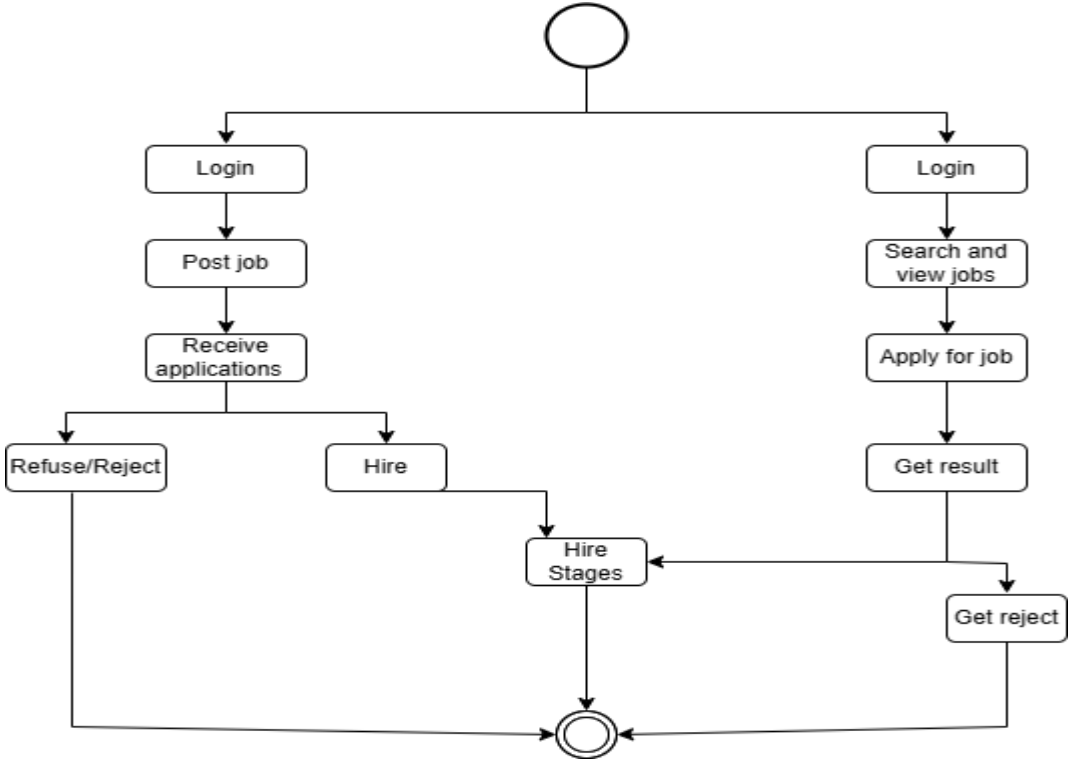
1st Level DFD (User)



Use case


Login/Logout
Management Application
Job Post
Management Job Post
Publish/Unpublish job
Hire/Refuse Application
Search / view job
Apply for particular Job post
Schedule Meeting
Evaluation
Admin
Applicant

Activity Diagram



Data Disctionary

job_posting

Column	Type	Constraints	Description
Id	Integer	Primary key	unique Reference
sequence	Integer		Sequence number
no_of_recruitment	Integer		Count recruitment
no_of_hired_employee	Integer		Count hired employee
company_id	Integer	FOREIGN KEY	Company id
create_uid	Integer		Create user id
alias_id	Integer	FOREIGN KEY	Mail aias
user_id	Integer		User id
website_id	integer	FOREIGN KEY	Website id

Data Disctionary

prediction_applicant

Column	Type	Constraints	Description
partner_id	Integer	FOREIGN KEY	Applicant id
stage_id	Integer	FOREIGN KEY	Stage id
job_id	Integer	FOREIGN KEY	Job id
department_id	Integer	FOREIGN KEY	Department id
attachment_number	Integer		Attachment numbers
company_id	Integer	FOREIGN KEY	Company id
refuse_reason_id	Integer	FOREIGN KEY	Refuse reason
partner_name	Character		Applicant’s name
email_from	Character		Applicant’s email
partner_phone	Character		Applicant’s phone
linkedin_profile	Character		Linkedin profile url

Data dictionary

get_refuse_reason

Column	Type	Constraints	Description
refuse_reason_id	integer	PRIMARY KEY	Unique id
create_uid	integer		Create user id
write_uid	integer		Write user id
create_date	timestamp		Create date
write_date	timestamp		Write date

Data dictionary

prediction_stage

Column	Type	Constraints	Description
id	Integer	PRIMARY KEY	Stage id
sequence	Integer		Sequence number
name	jsonb		Name
requirements	text		Requirements
fold	boolean		Folds
hired_stage	boolean		Hire stage
create_date	timestamp		Create date

H/w and S/w environment

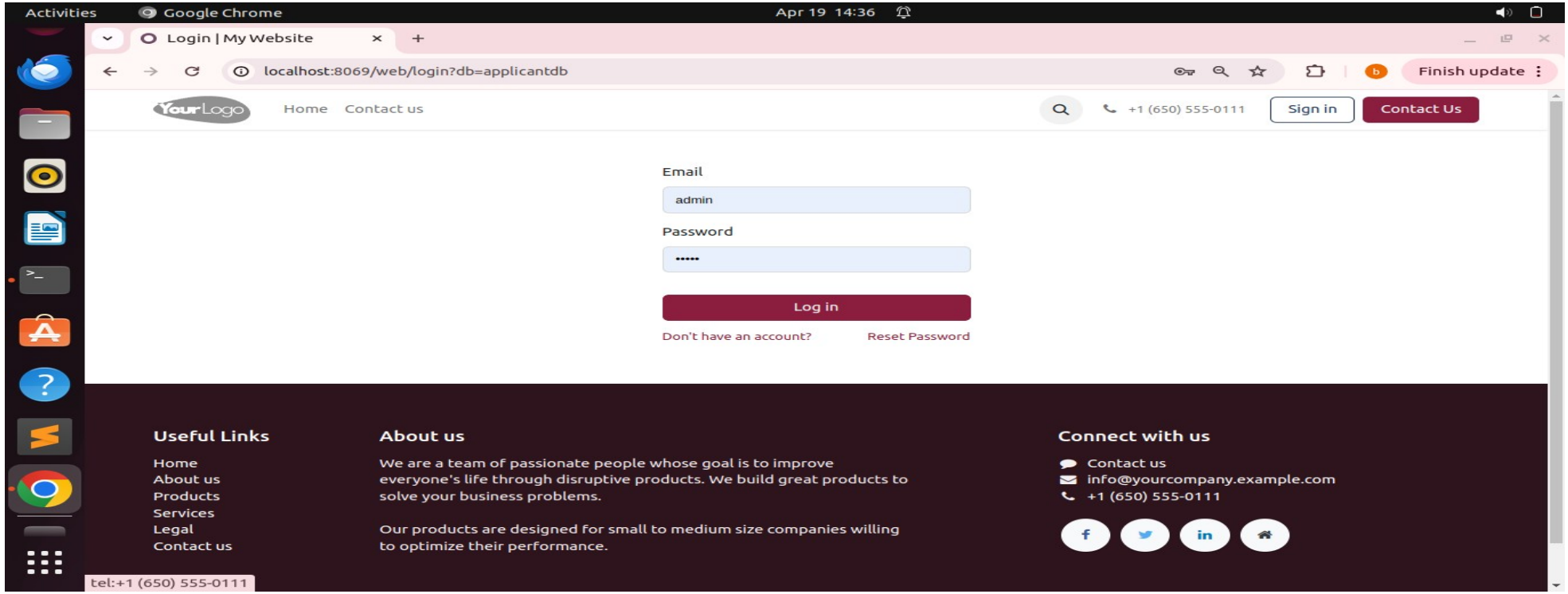
s/w

Development Tool	Sub lime
Programming language	Python 3.10.2
Technology Used	Odoo 17 Community
Back-end Database	Postgresql 14
Front-End	XML

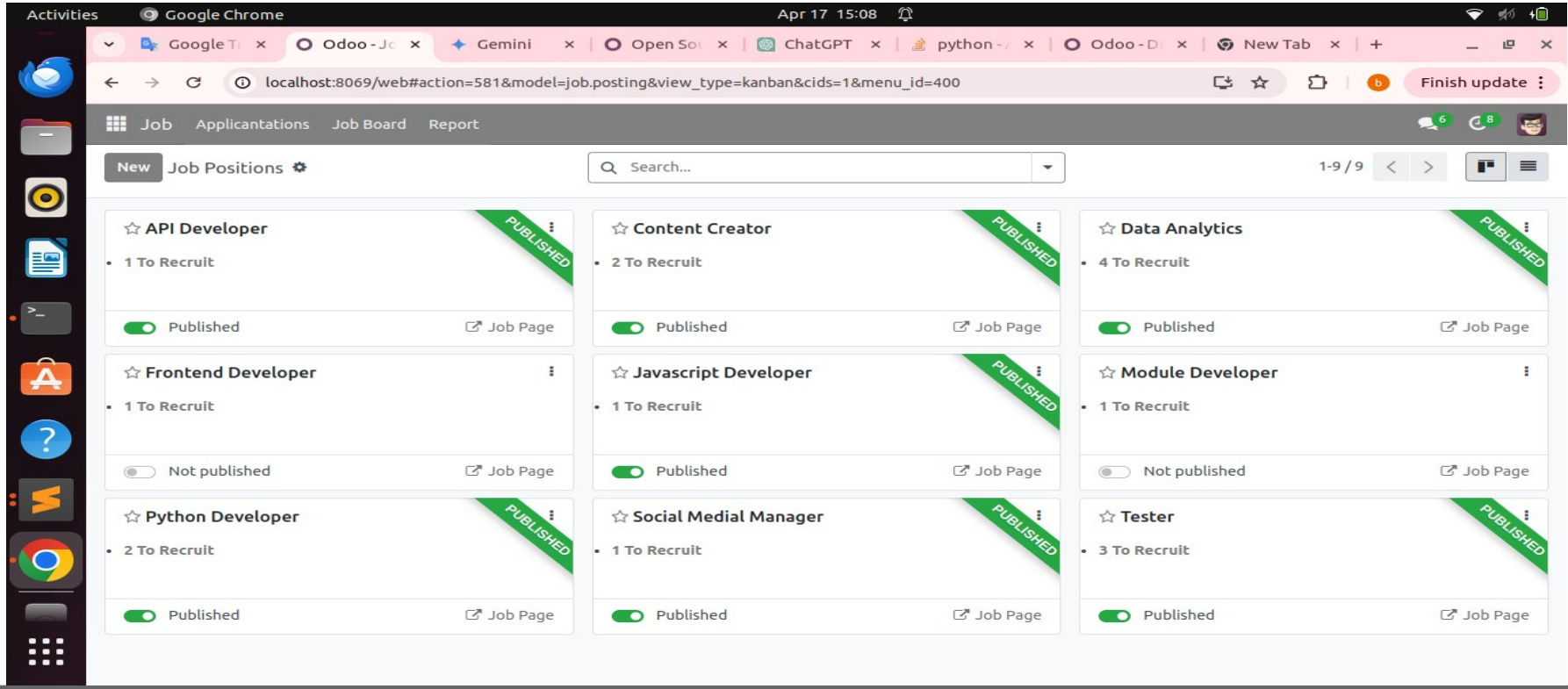
H/w

OS	Linux mint 20.2
Memory/ RAM	Minimum 4 GB
Processor	Intel i5
Disk Capacity	500 GB

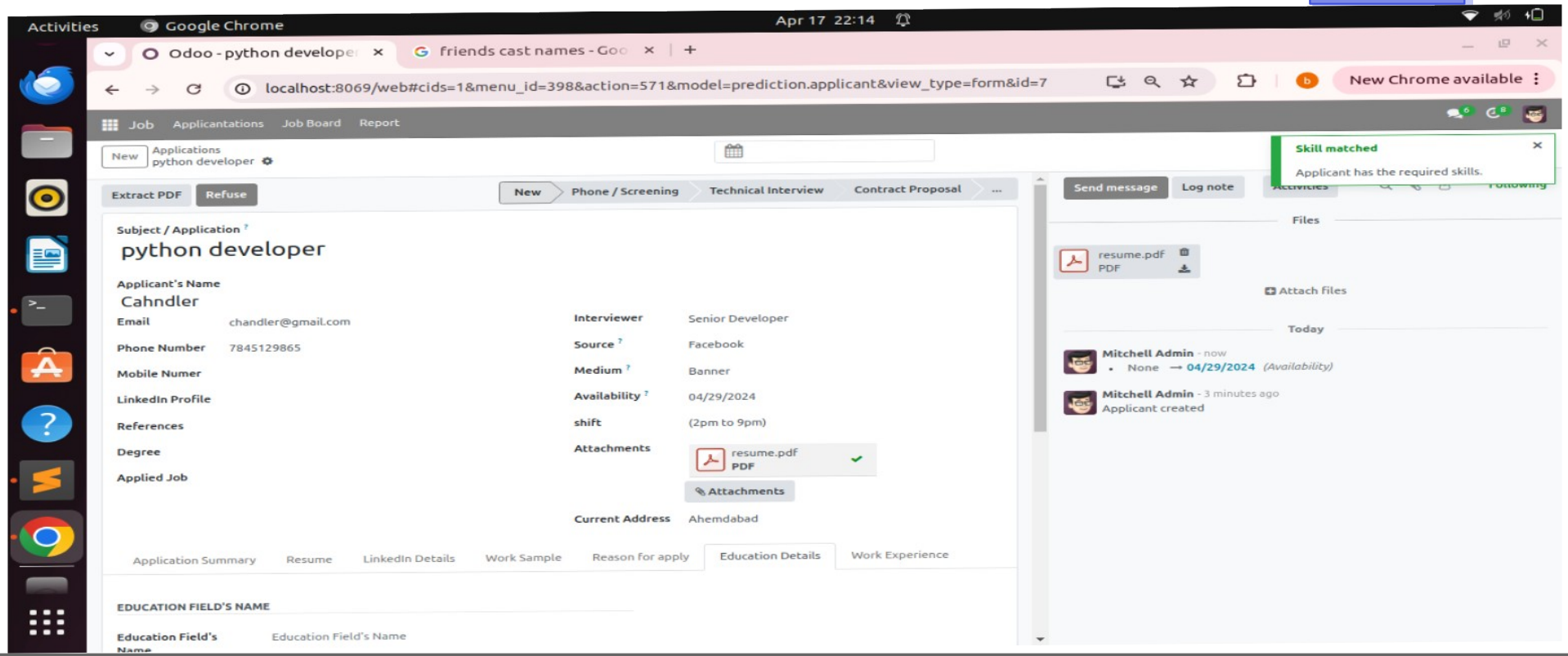
User Interface Design(Login view)



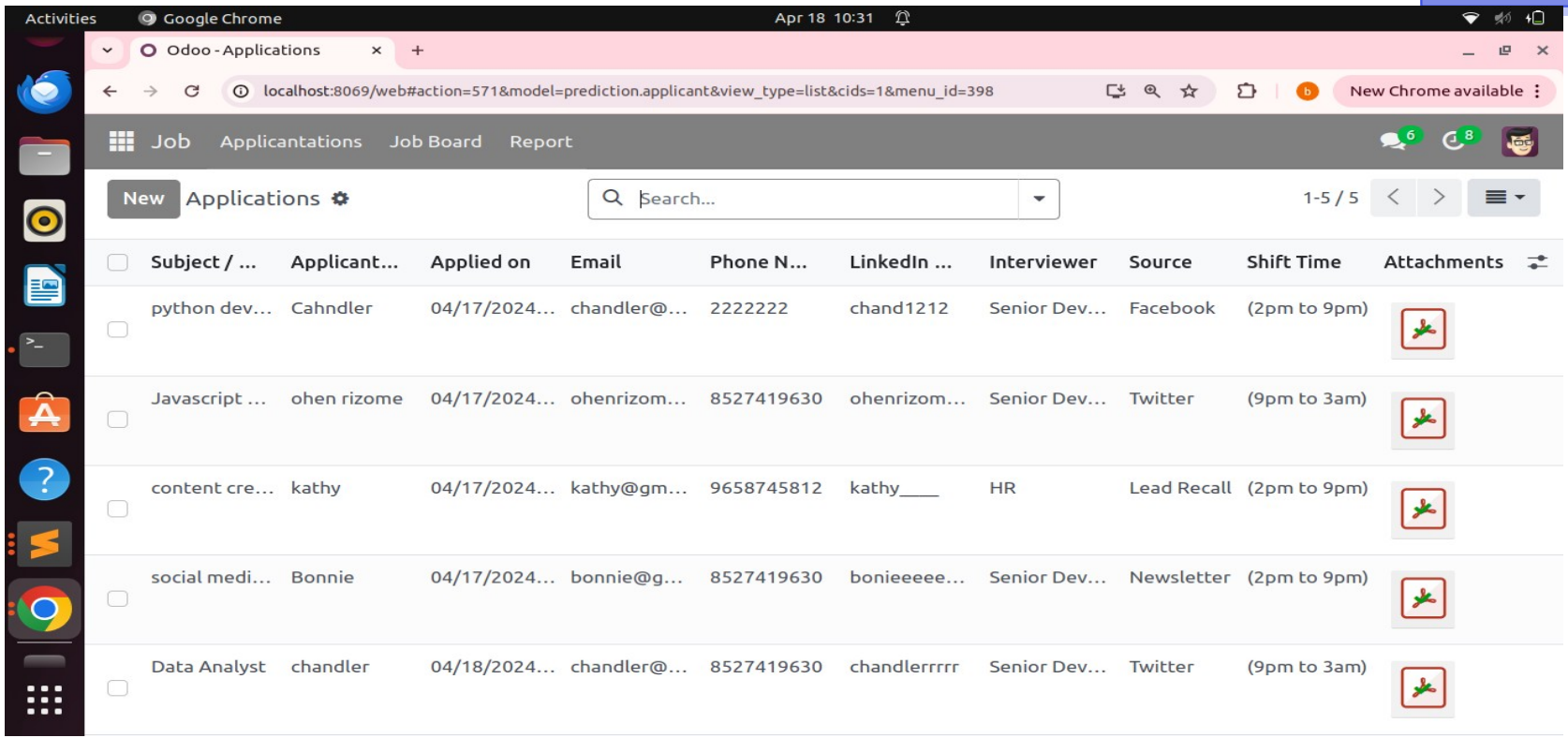
Job board view



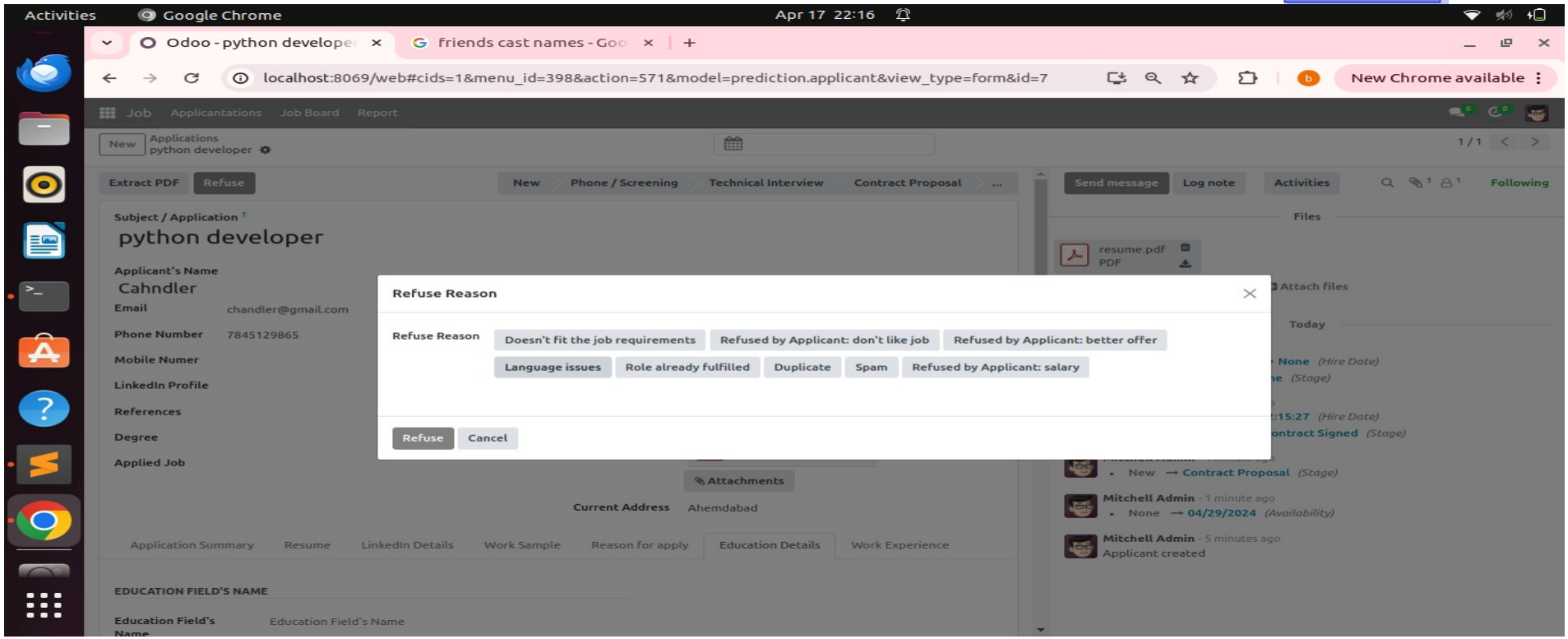
Applicant’s form view



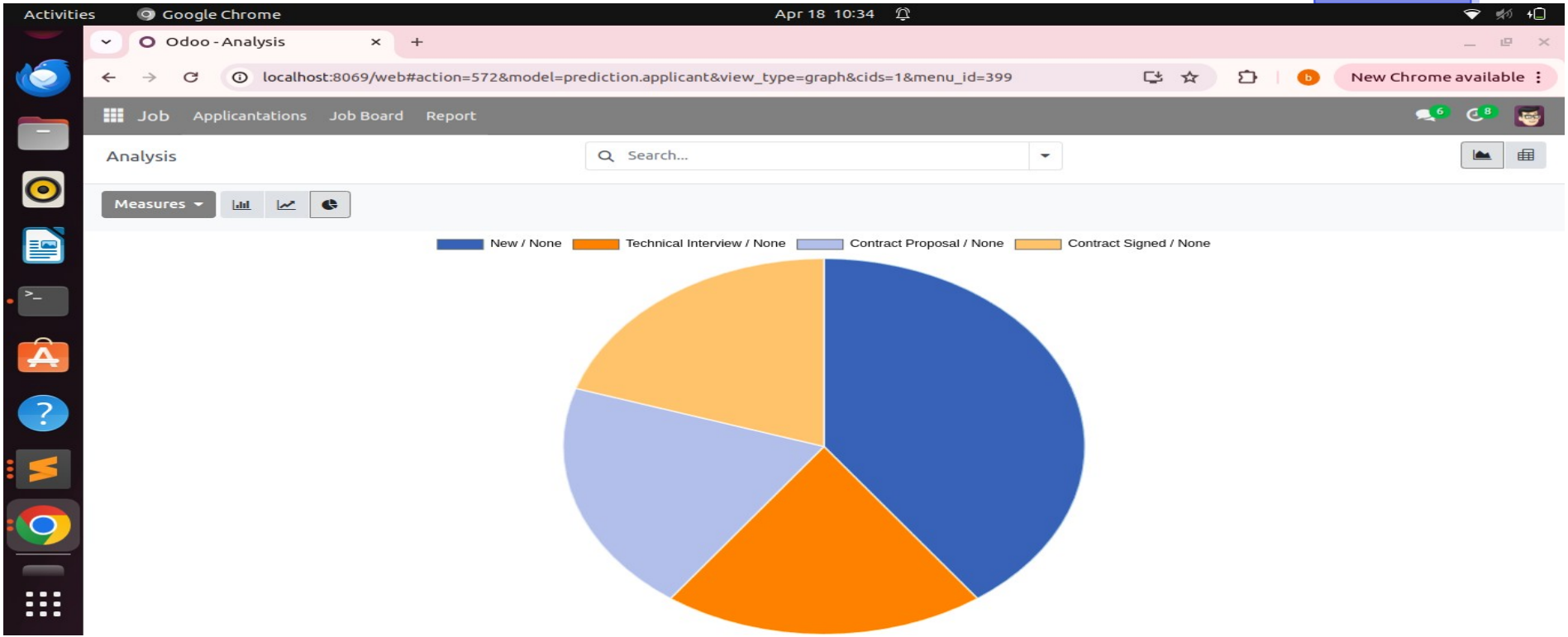
Applicant’s List view



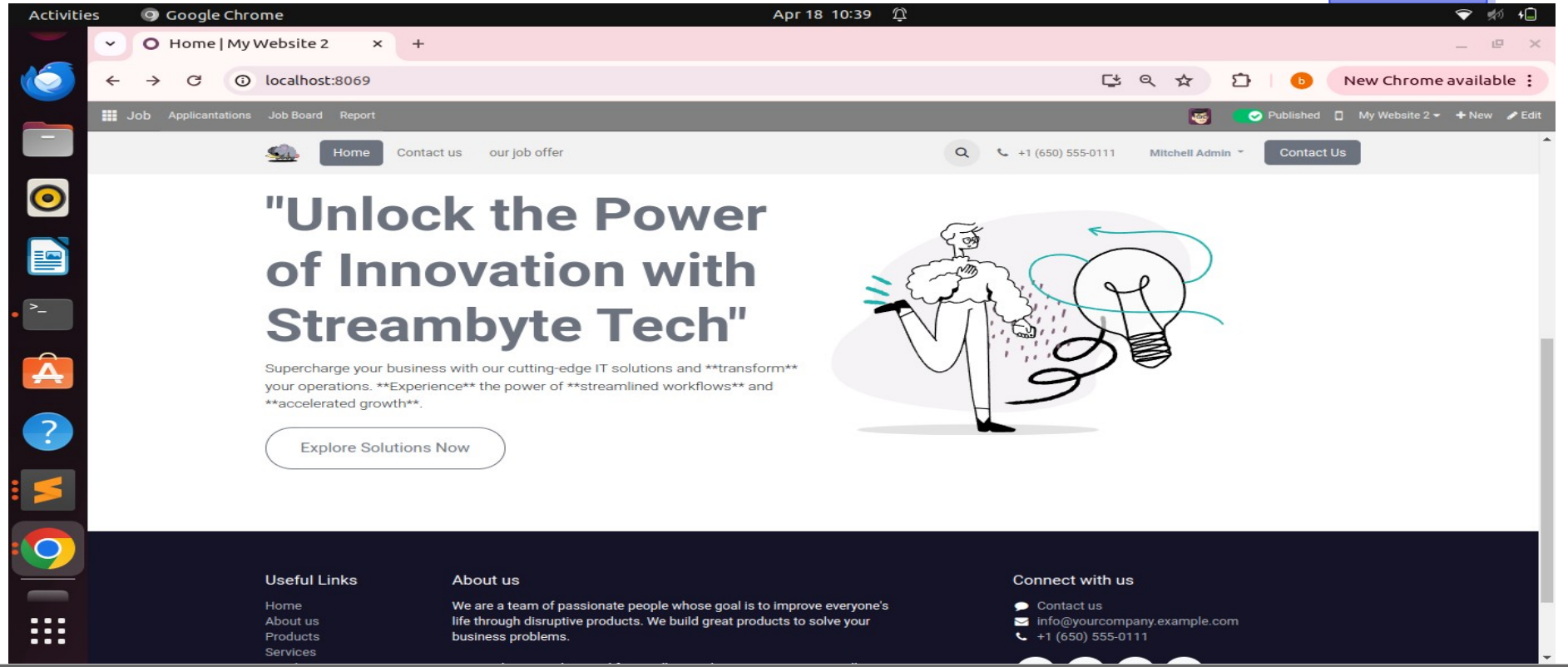
Refuse Reason view



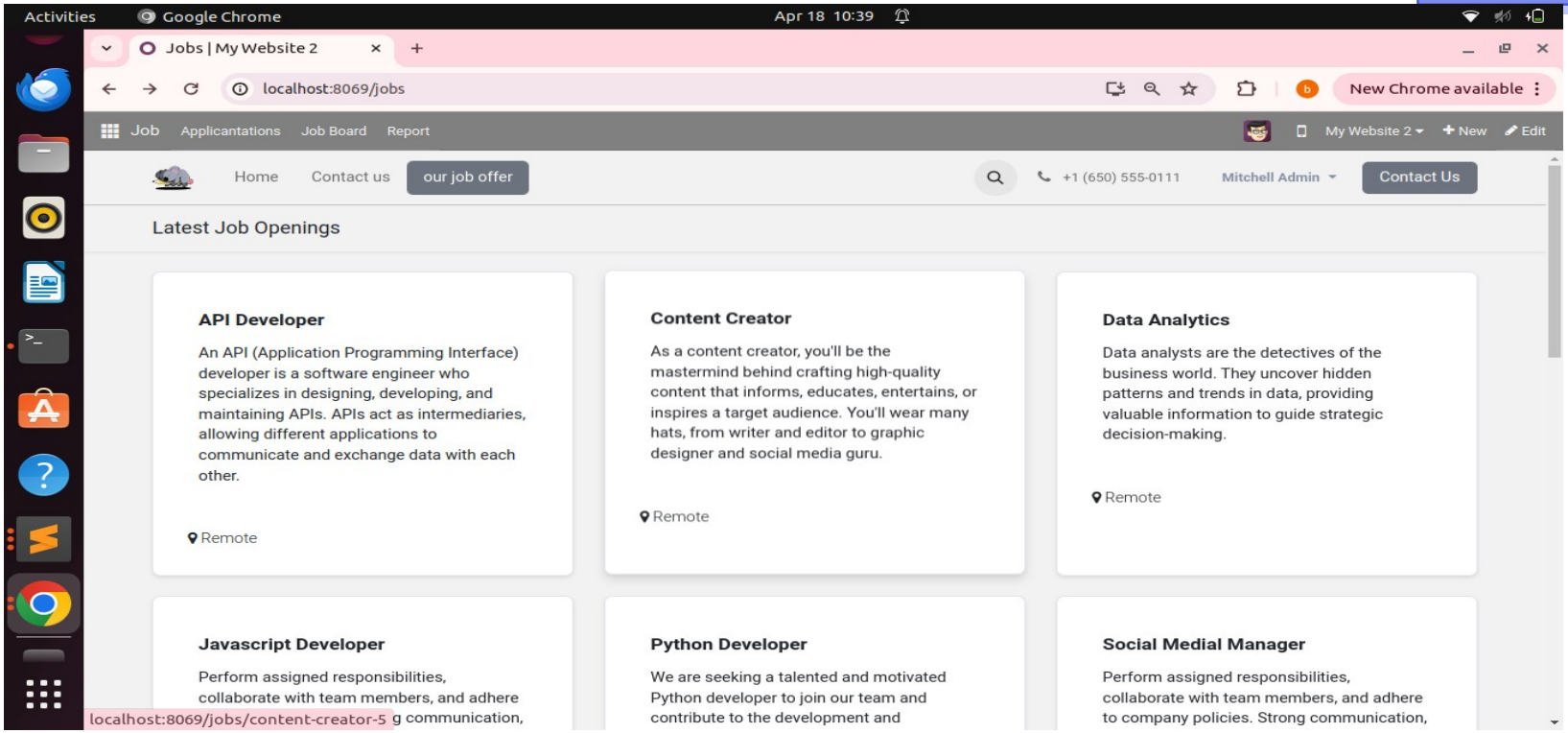
Report view


Activities
Google Chrome
Apr 18 10:34
Odoo - Analysis
localhost:8069/web#action=572&model=prediction.applicant&view_type=graph&cids=1&menu_id=399
New Chrome available
Job
Applicantations
Job Board
Report
Analysis
Search...
Measures
New / None
Technical Interview / None
Contract Proposal / None
Contract Signed / None

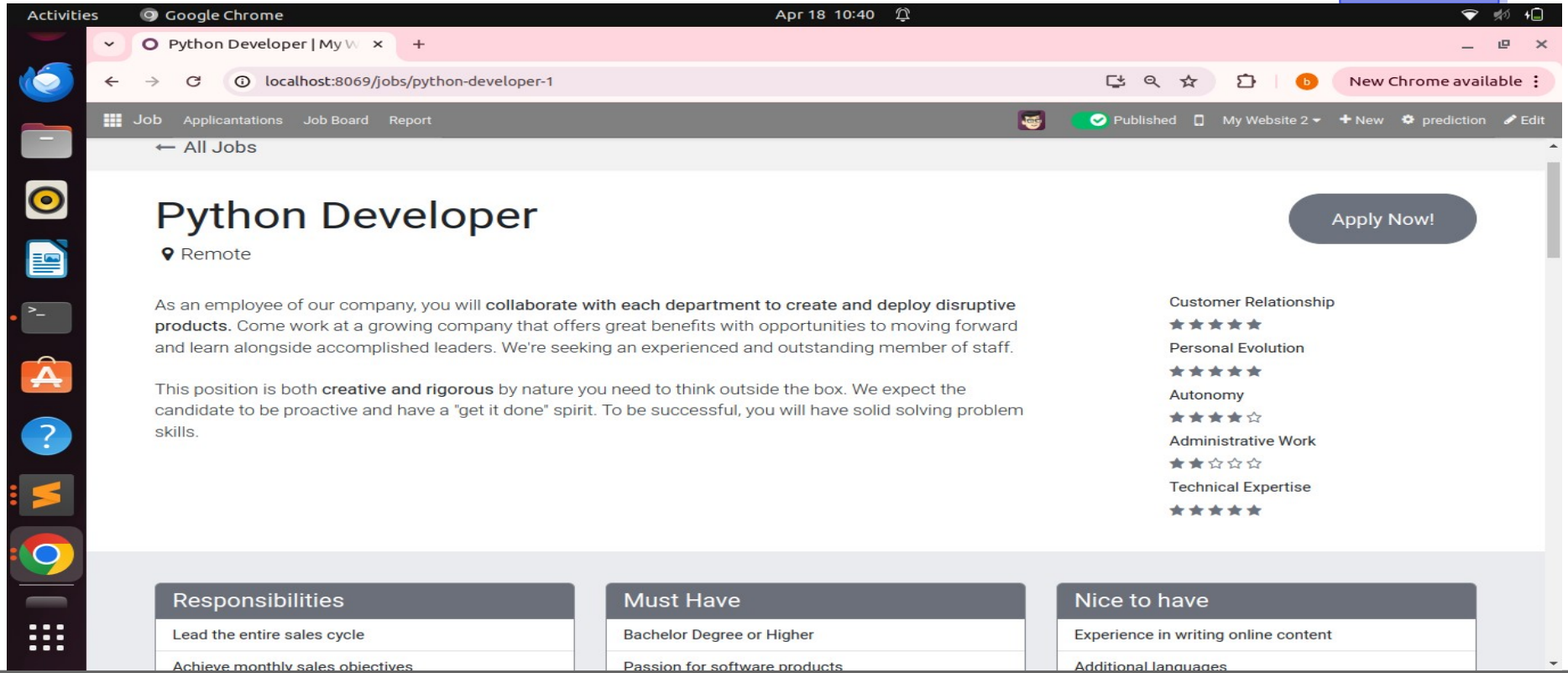
Website Home page



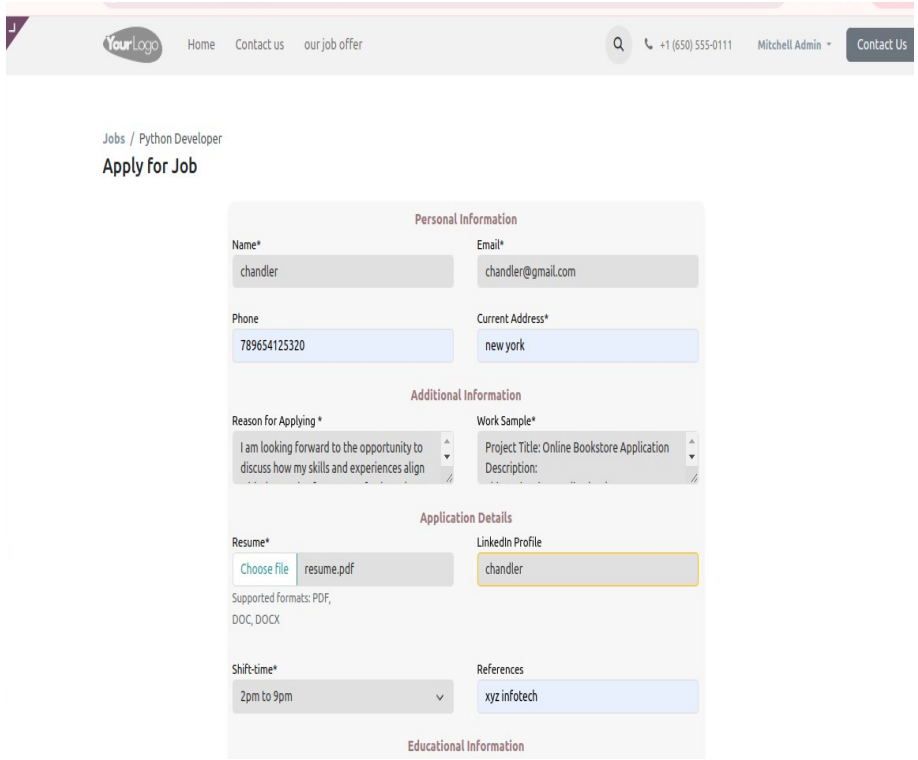
Job post view of web site

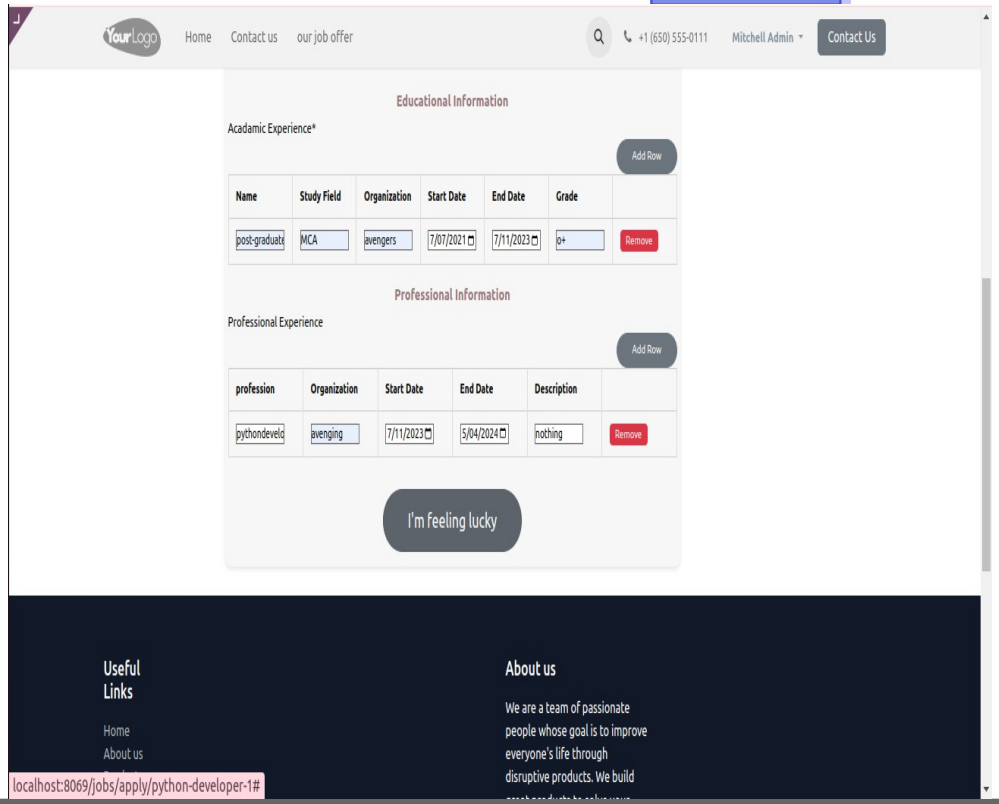


Particular job detail



Job Application form





Future Scope

- AI and Automation:
  - Incorporation of Artificial Intelligence
    Automation for Streamlining Repetitive Tasks
    Improvement of Decision-Making Processes
- User Experience:
  - Intuitive Interface Design
  - User-Friendly Experience for Recruiters
  - User-Friendly Experience for Applicants

Thank you