

# Job Posting and application management system



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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

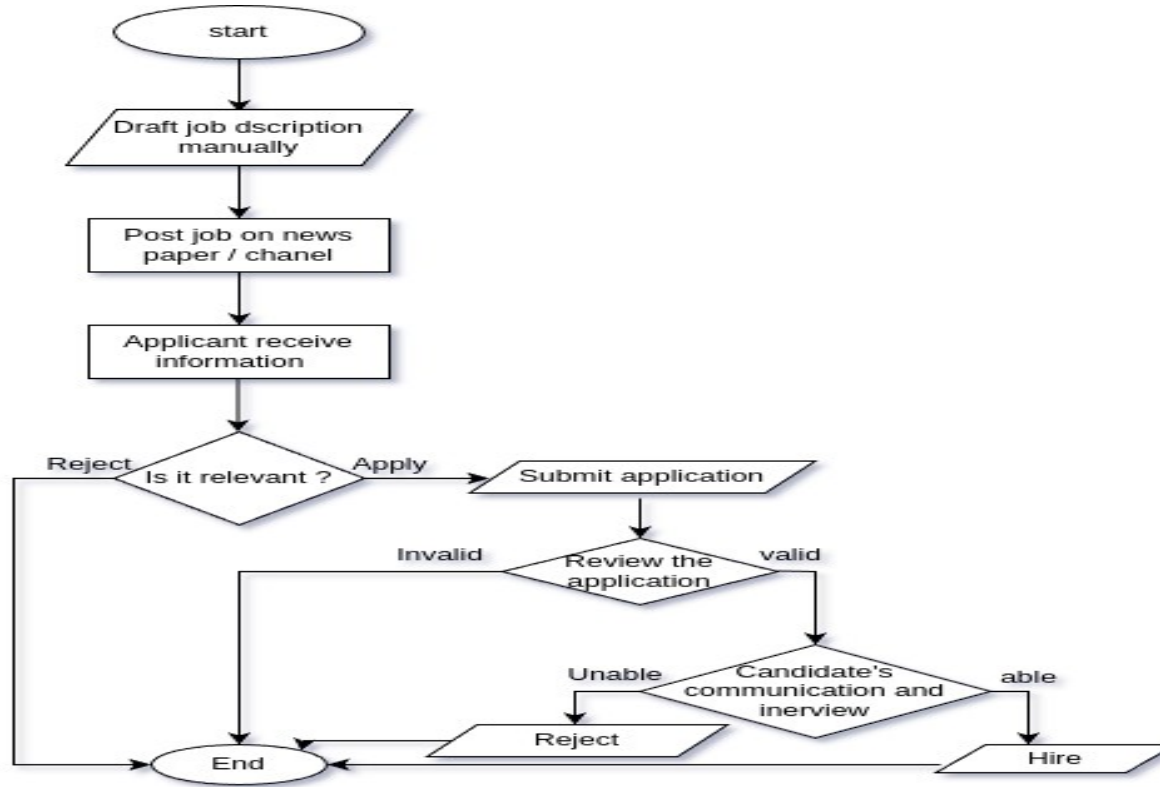
International School, Kudasan, Gujarat 382421.

SnakeCode Consultancy Pvt LTD, 2023 માં સ્થપાયેલ, Odoo સોલ્યુશન્સનું વિશિષ્ટ પ્રદાતા છે, જે એન્ટરપ્રાઇઝ અને કોમ્યુનિટી વર્ઝન બંને માટે કસ્ટમાઈઝ્ડ સેવાઓ સાથે તમામ ઉદ્યોગોમાં ગ્રાહકોને સેવાઓ આપે છે. અમારી કંપની વ્યવસાયોની અનોખી જરૂરિયાતો, 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 બનાવવામાં નિષ્ણાંત છે. તેમની કુશળતા અને નવીનતા માટે ના જુસ્સા સાથે, તેઓ અમારા ગ્રાહકો માટે અસાધારણ પરિણામો પોલ્યાડવામાં 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.

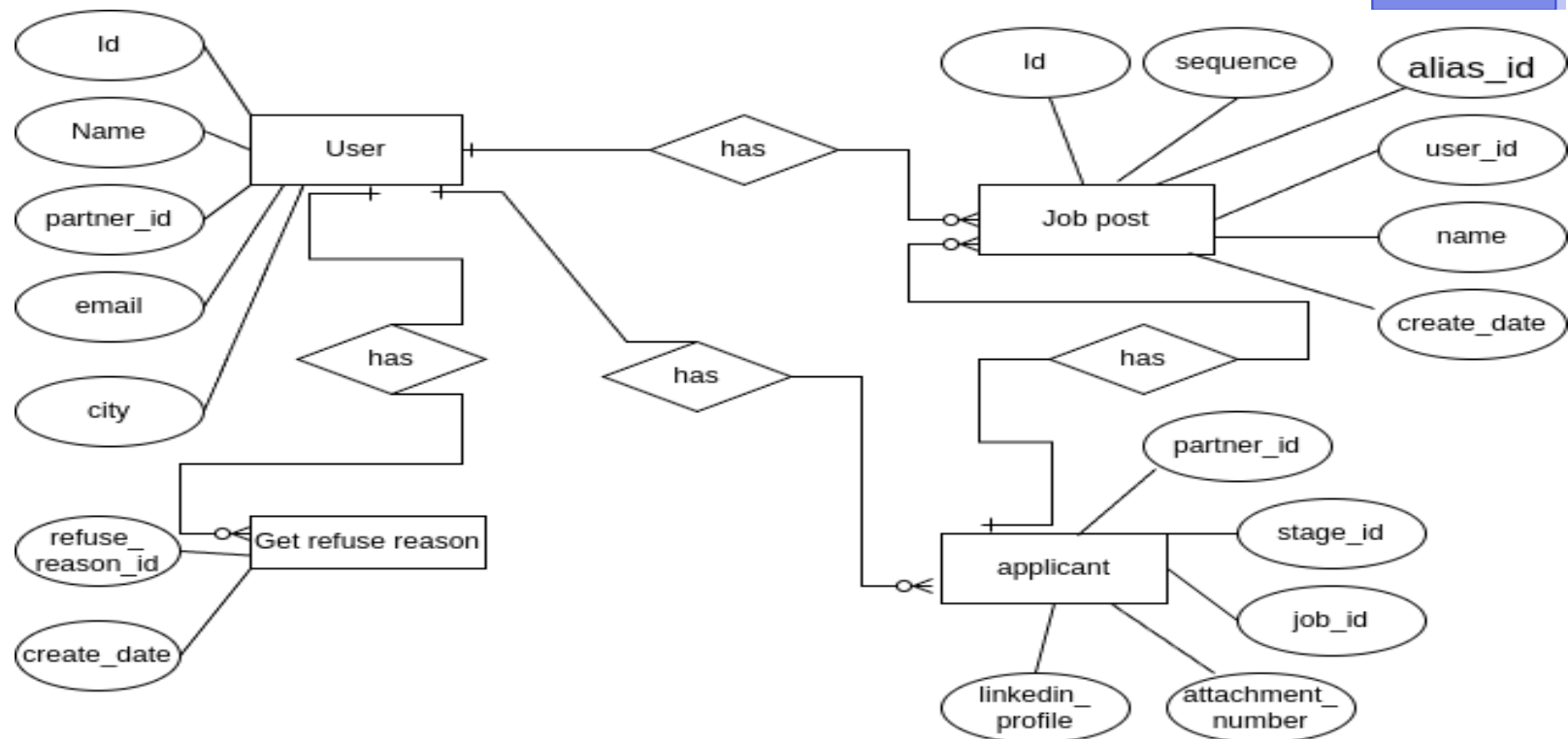
# Existing System



# 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



# System analysis

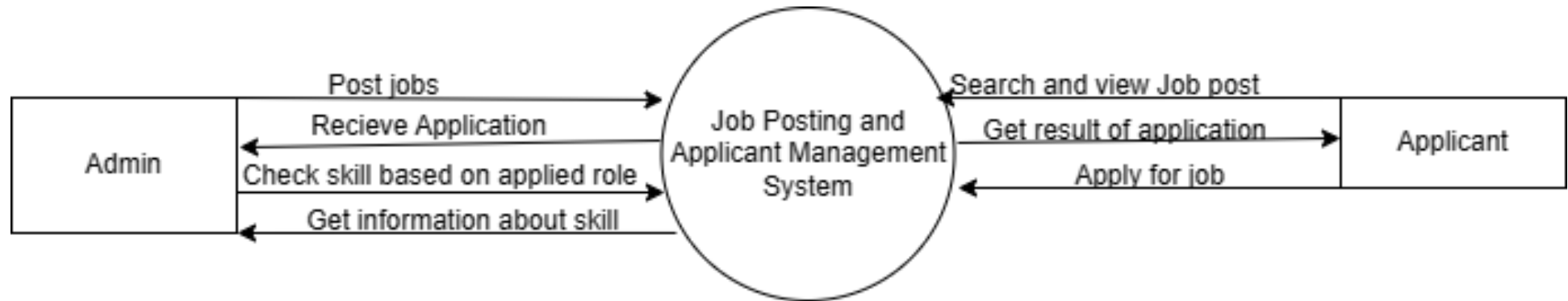
## Objectives:

- 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:-

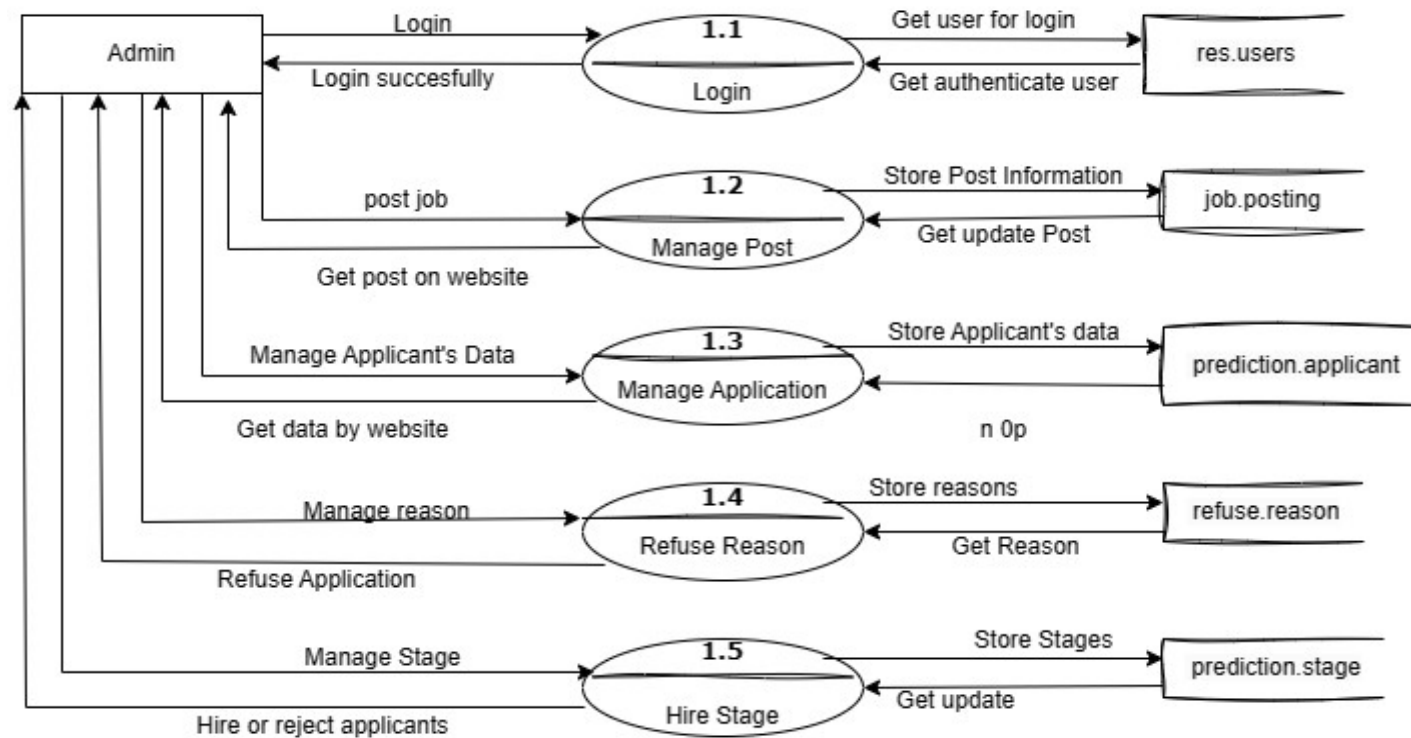
- Create job posts with customizable templates.
- Applicant search and filtering capabilities.
- Resume Parsing and Skill Extraction.
- Interview scheduling and management tools.
- Onboarding checklists and workflows.
- Security features to protect applicant data.
- Allows applicants to submit resumes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

# Context Level DFD

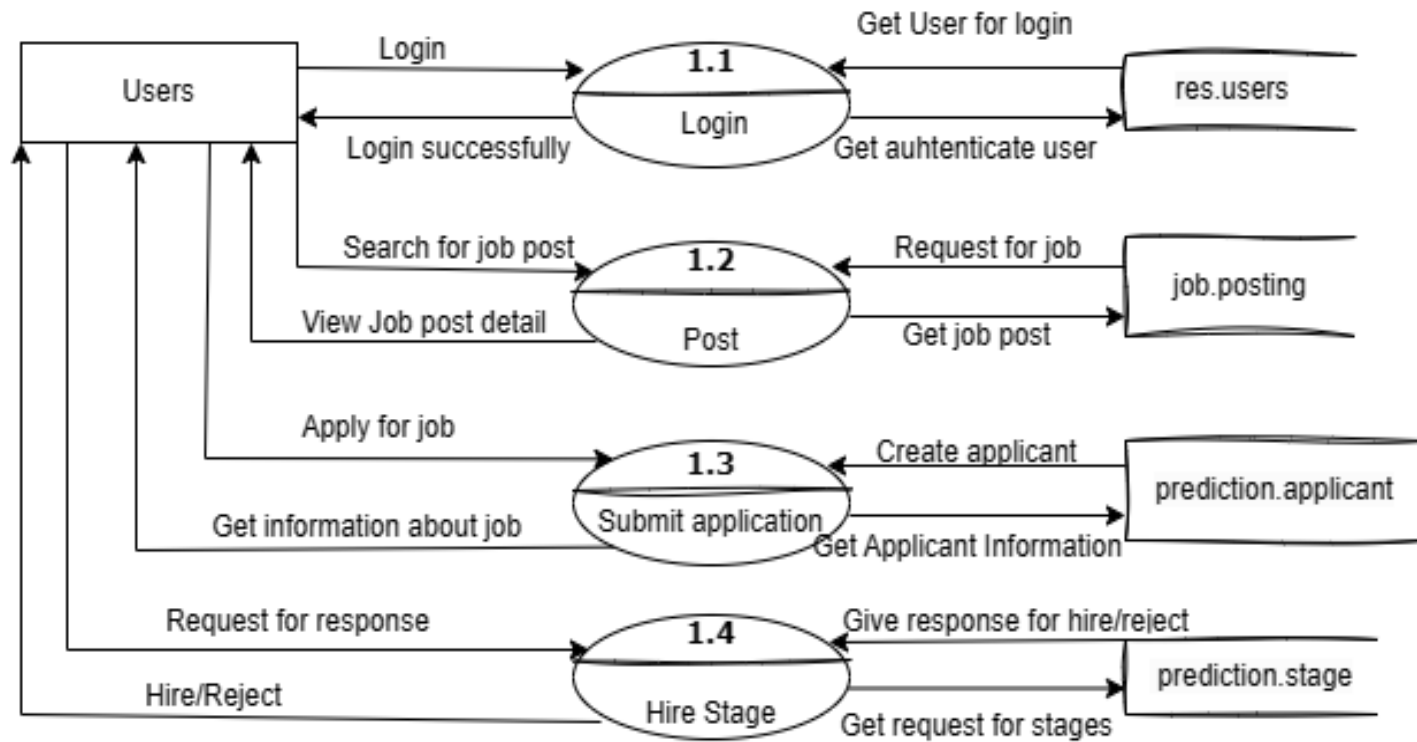




# 1<sup>st</sup> Level DFD (admin)



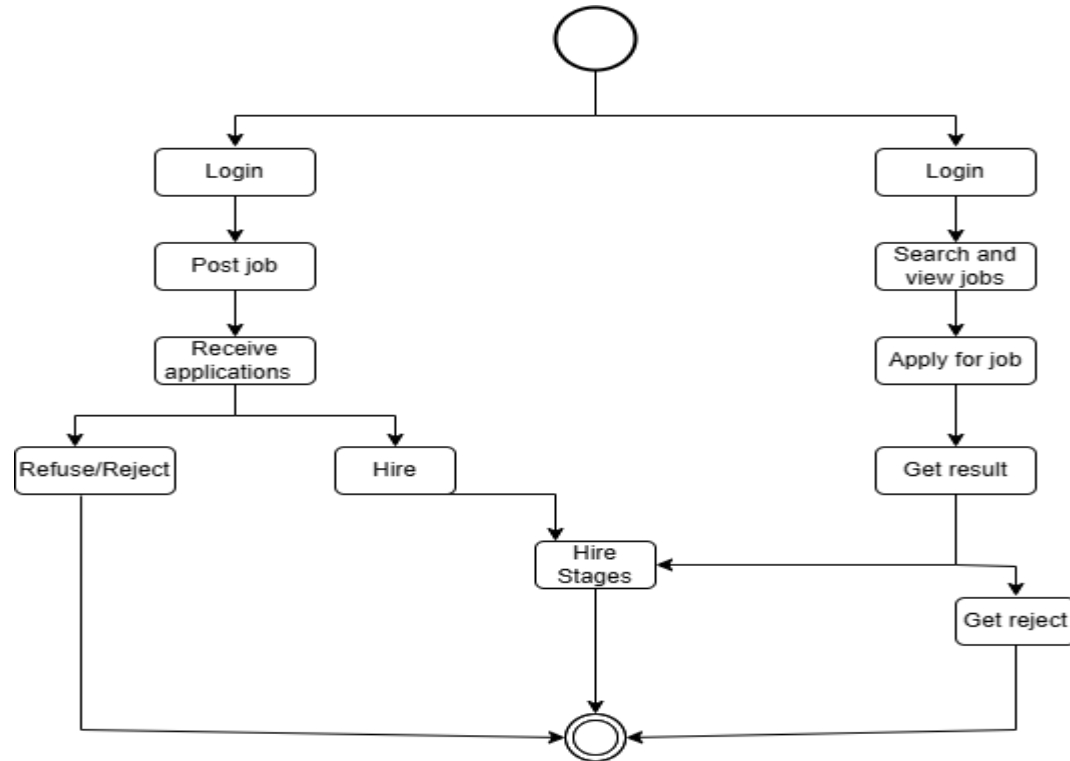
# 1<sup>st</sup> Level DFD (User)



# Use case



# Activity Diagram



# Data Dictionary

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

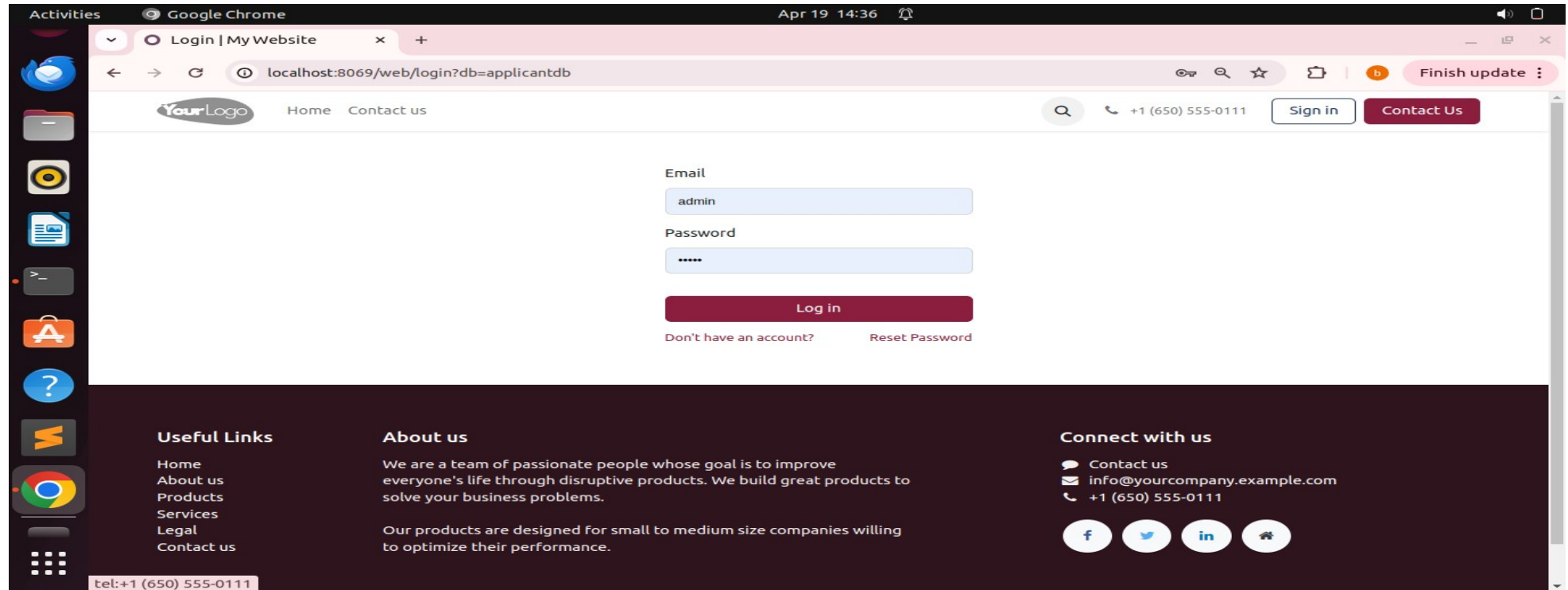
S/w

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

H/w

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

# User Interface Design(Login view)



# Job board view

Activities Google Chrome Apr 17 15:08

Google Tr x Odoo - Jo x Gemini x Open Sol x ChatGPT x python - x Odoo - D x New Tab x +

localhost:8069/web#action=581&model=job.posting&view\_type=kanban&cids=1&menu\_id=400

Job Applications Job Board Report

New Job Positions Search...

1-9 / 9

<div>☆ API Developer</div> <div>• 1 To Recruit</div> <div><input checked="" type="checkbox"/> Published</div> <div>Job Page</div> <div>PUBLISHED</div>	<div>☆ Content Creator</div> <div>• 2 To Recruit</div> <div><input checked="" type="checkbox"/> Published</div> <div>Job Page</div> <div>PUBLISHED</div>	<div>☆ Data Analytics</div> <div>• 4 To Recruit</div> <div><input checked="" type="checkbox"/> Published</div> <div>Job Page</div> <div>PUBLISHED</div>
<div>☆ Frontend Developer</div> <div>• 1 To Recruit</div> <div><input type="checkbox"/> Not published</div> <div>Job Page</div> <div></div>	<div>☆ Javascript Developer</div> <div>• 1 To Recruit</div> <div><input checked="" type="checkbox"/> Published</div> <div>Job Page</div> <div>PUBLISHED</div>	<div>☆ Module Developer</div> <div>• 1 To Recruit</div> <div><input type="checkbox"/> Not published</div> <div>Job Page</div> <div></div>
<div>☆ Python Developer</div> <div>• 2 To Recruit</div> <div><input checked="" type="checkbox"/> Published</div> <div>Job Page</div> <div>PUBLISHED</div>	<div>☆ Social Media Manager</div> <div>• 1 To Recruit</div> <div><input checked="" type="checkbox"/> Published</div> <div>Job Page</div> <div>PUBLISHED</div>	<div>☆ Tester</div> <div>• 3 To Recruit</div> <div><input checked="" type="checkbox"/> Published</div> <div>Job Page</div> <div>PUBLISHED</div>

# Applicant's form view

Activities Google Chrome Apr 17 22:14

Odoo - python developer x friends cast names - Google x

localhost:8069/web#cid=1&menu\_id=398&action=571&model=prediction.applicant&view\_type=form&id=7

New Chrome available

Job Applications Job Board Report

New Applications python developer

Extract PDF Refuse

New Phone / Screening Technical Interview Contract Proposal

Subject / Application ?  
python developer

Applicant's Name  
Cahndler

Email chandler@gmail.com

Phone Number 7845129865

Mobile Number

LinkedIn Profile

References

Degree

Applied Job

Interviewer Senior Developer

Source ? Facebook

Medium ? Banner

Availability ? 04/29/2024

shift (2pm to 9pm)

Attachments resume.pdf PDF ✓

Attachments

Current Address Ahemdabad

Application Summary Resume LinkedIn Details Work Sample Reason for apply Education Details Work Experience

EDUCATION FIELD'S NAME

Education Field's Name

Skill matched  
Applicant has the required skills.

Send message Log note

Files

resume.pdf PDF

Attach Files

Today

Mitchell Admin - now  
None → 04/29/2024 (Availability)

Mitchell Admin - 3 minutes ago  
Applicant created

# Applicant's List view

Activities Google Chrome Apr 18 10:31






Odoo - Applications x +

localhost:8069/web#action=571&model=prediction.applicant&view\_type=list&cids=1&menu\_id=398

New Chrome available

Job Applications Job Board Report

New Applications Search... 1-5 / 5

<input type="checkbox"/>	Subject / ...	Applicant...	Applied on	Email	Phone N...	LinkedIn ...	Interviewer	Source	Shift Time	Attachments
<input type="checkbox"/>	python dev...	Cahndler	04/17/2024...	chandler@...	2222222	chand1212	Senior Dev...	Facebook	(2pm to 9pm)	
<input type="checkbox"/>	Javascript ...	ohen rizome	04/17/2024...	ohenrizom...	8527419630	ohenrizom...	Senior Dev...	Twitter	(9pm to 3am)	
<input type="checkbox"/>	content cre...	kathy	04/17/2024...	kathy@gm...	9658745812	kathy____	HR	Lead Recall	(2pm to 9pm)	
<input type="checkbox"/>	social medi...	Bonnie	04/17/2024...	bonnie@g...	8527419630	bonieeeee...	Senior Dev...	Newsletter	(2pm to 9pm)	
<input type="checkbox"/>	Data Analyst	chandler	04/18/2024...	chandler@...	8527419630	chandlerrrr	Senior Dev...	Twitter	(9pm to 3am)	

# Refuse Reason view

Activities Google Chrome Apr 17 22:16

Odoo - python developer friends cast names - Google

localhost:8069/web#cid=1&menu\_id=398&action=571&model=prediction.applicant&view\_type=form&id=7

New Chrome available

Job Applications Job Board Report

New Applications python developer

Extract PDF Refuse New Phone / Screening Technical Interview Contract Proposal

Send message Log note Activities

Subject / Application ? python developer

Applicant's Name Cahndler

Email chandler@gmail.com

Phone Number 7845129865

Mobile Numer

LinkedIn Profile

References

Degree

Applied Job

Attachments

Current Address Ahmedabad

Application Summary Resume LinkedIn Details Work Sample Reason for apply Education Details Work Experience

EDUCATION FIELD'S NAME

Education Field's Name Education Field's Name

resume.pdf PDF

Attach files

Today

None (Hire Date)

None (Stage)

15:27 (Hire Date)

Contract Signed (Stage)

New → Contract Proposal (Stage)

Mitchell Admin - 1 minute ago

None → 04/29/2024 (Availability)

Mitchell Admin - 5 minutes ago

Applicant created

**Refuse Reason**

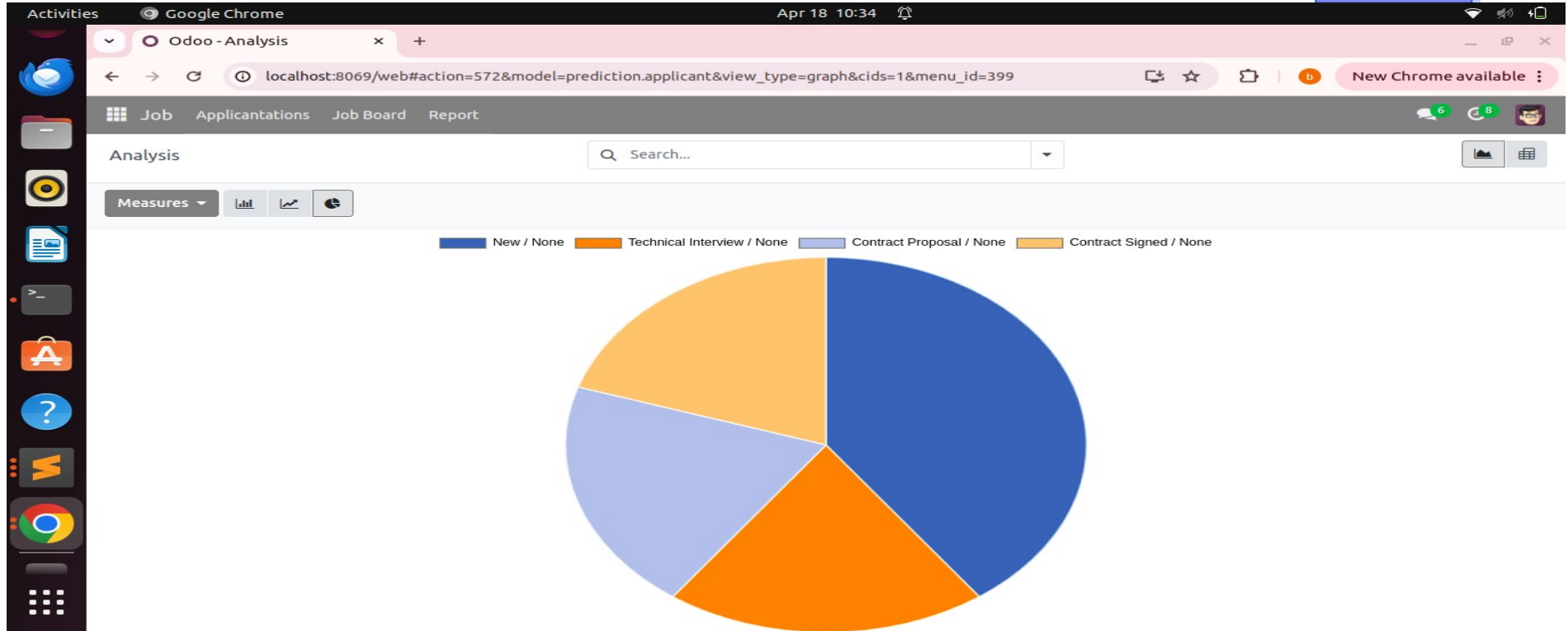
Refuse Reason

Doesn't fit the job requirements Refused by Applicant: don't like job Refused by Applicant: better offer

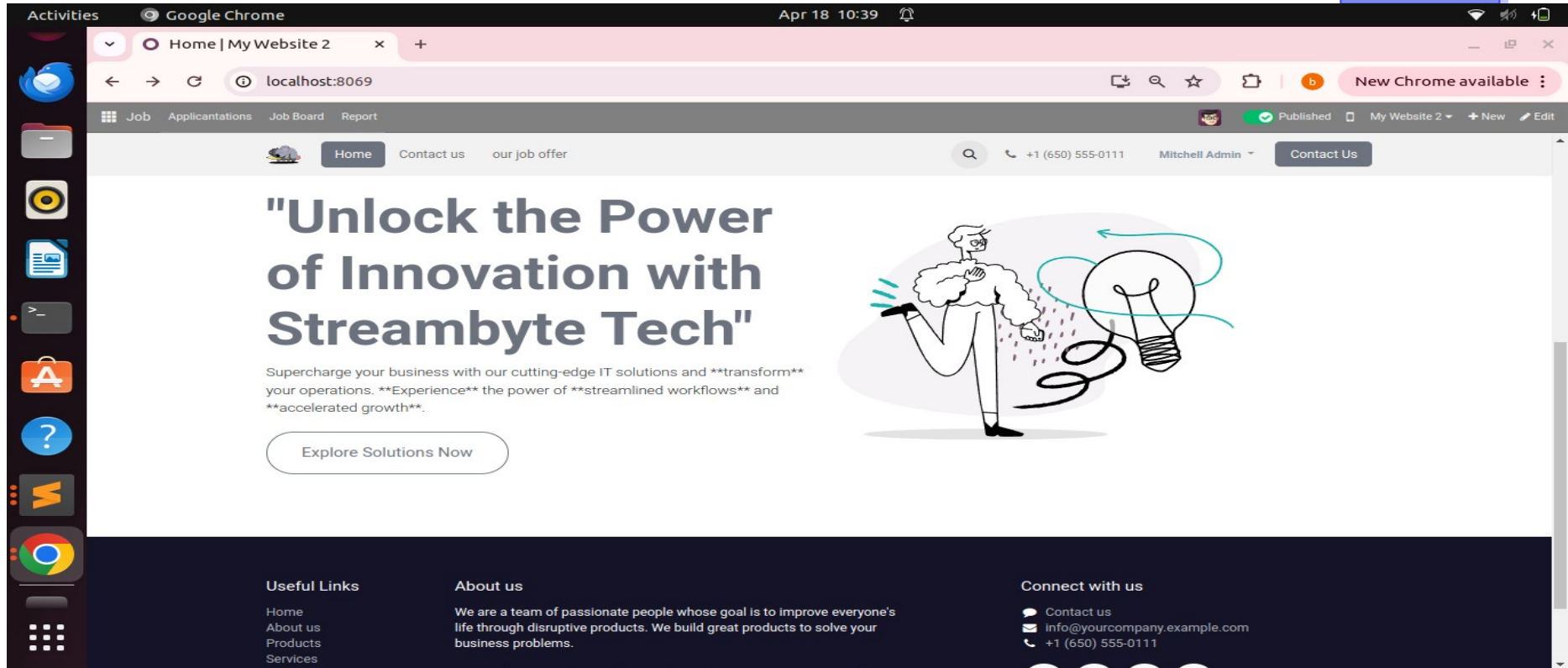
Language issues Role already fulfilled Duplicate Spam Refused by Applicant: salary

Refuse Cancel

# Report view

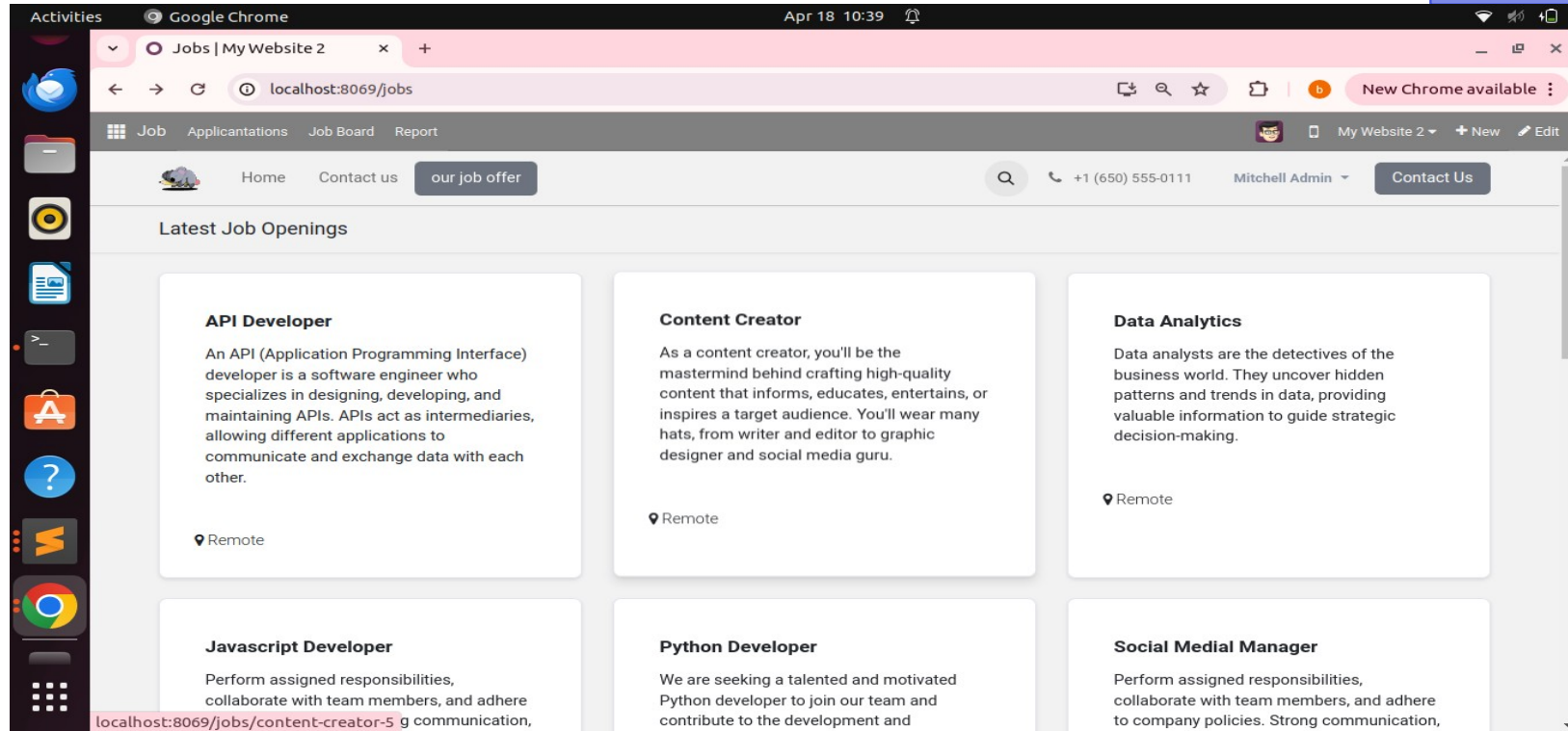


# Website Home page





# Job post view of web site



# Particular job detail

The screenshot shows a web browser window with the following details:

- Browser:** Google Chrome, version 104.0.5112.102, running on a Linux desktop environment.
- Page Title:** Python Developer | My Website
- URL:** localhost:8069/jobs/python-developer-1
- Navigation Bar:** Job, Applications, Job Board, Report. A sidebar on the left contains icons for various applications.
- Job Title:** Python Developer
- Location:** Remote
- Job Description:**

As an employee of our company, you will **collaborate with each department to create and deploy disruptive products**. Come work at a growing company that offers great benefits with opportunities to moving forward and learn alongside accomplished leaders. We're seeking an experienced and outstanding member of staff.

This position is both **creative and rigorous** by nature you need to think outside the box. We expect the candidate to be proactive and have a "get it done" spirit. To be successful, you will have solid solving problem skills.
- Buttons:** "Apply Now!" (dark blue button)
- Skills/Qualifications:**
  - Customer Relationship: ★★★★★
  - Personal Evolution: ★★★★★
  - Autonomy: ★★★★★
  - Administrative Work: ★★★★★
  - Technical Expertise: ★★★★★
- Responsibilities Table:**

Responsibilities
Lead the entire sales cycle
Achieve monthly sales objectives
- Must Have Table:**

Must Have
Bachelor Degree or Higher
Passion for software products
- Nice to have Table:**

Nice to have
Experience in writing online content
Additional languages

# Job Application form

YourLogo

[Home](#) [Contact us](#) [our job offer](#)

Q

+1 (650) 555-0111

Mitchell Admin

Contact Us

Jobs / Python Developer

## Apply for Job

Personal Information

Name\*

chandler

Email\*

chandler@gmail.com

Phone

789654125320

Current Address\*

new york

Additional Information

Reason for Applying \*

I am looking forward to the opportunity to discuss how my skills and experiences align

Work Sample\*

Project Title: Online Bookstore Application  
Description:

Application Details

Resume\*

Choose file

resume.pdf

Supported formats: PDF, DOC, DOCX

LinkedIn Profile

chandler

Shift-time\*

2pm to 9pm

References

xyz infotech

Educational Information

YourLogo

[Home](#) [Contact us](#) [our job offer](#)

Q

+1 (650) 555-0111

Mitchell Admin

Contact Us

Educational Information

Academic Experience\*

Add Row

Name	Study Field	Organization	Start Date	End Date	Grade	
post-graduate	MCA	avengers	7/07/2021	7/11/2023	B+	Remove

Professional Information

Professional Experience

Add Row

profession	Organization	Start Date	End Date	Description	
pythondevelop	avenging	7/11/2023	5/04/2024	nothing	Remove

I'm feeling lucky

Useful Links

[Home](#)  
[About us](#)

localhost:8069/jobs/apply/python-developer-1#

About us

We are a team of passionate people whose goal is to improve everyone's life through disruptive products. We build products that solve your

# 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**