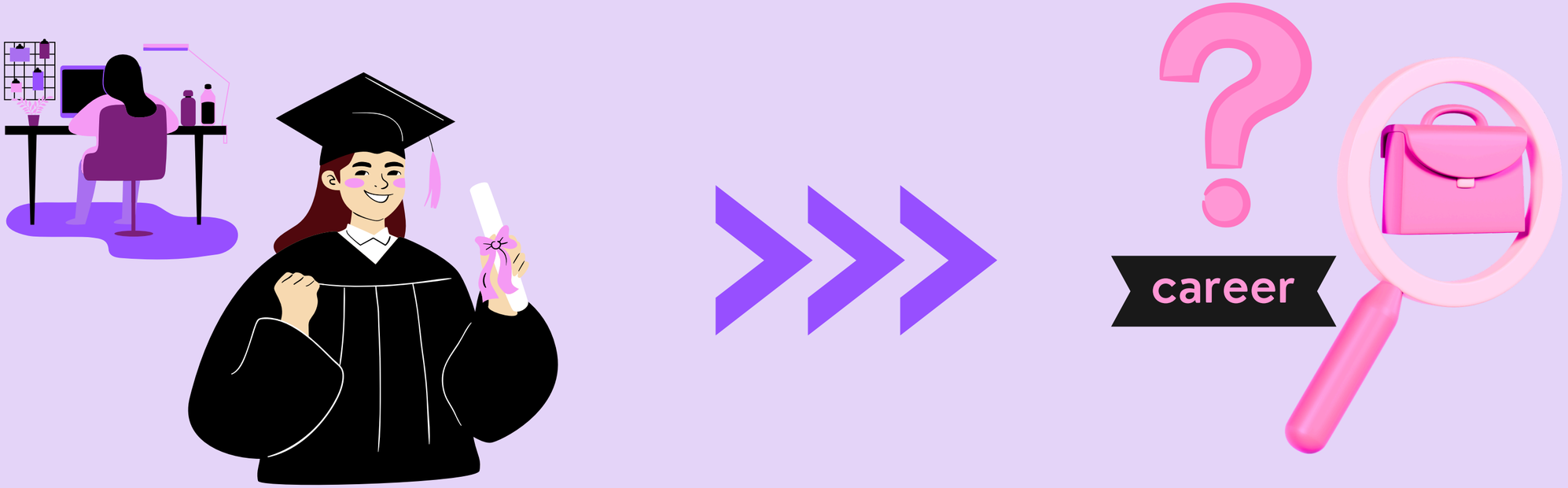
Designing Intelligent Educational Tools: A Smart Prototyping Approach Using AI

Learn by Example: A Real Case Study

Sorana-Stefana Lehene
AI architect, makeitfuture

Imagine

what it's like to be at a career crossroads



Picture this: *You've spent years studying, working hard, and building a career. But...*



Combine AI-driven skill discovery with gamified career simulations.

Create a sustainable job market where individuals and companies thrive together.

Focus on soft skills that machines can’t replicate.

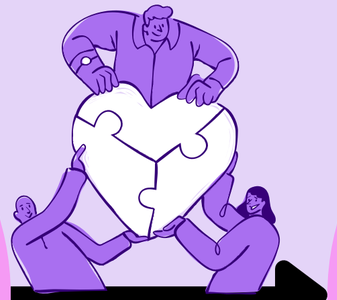
The Big Idea

Building a Future-Proof Career Ecosystem

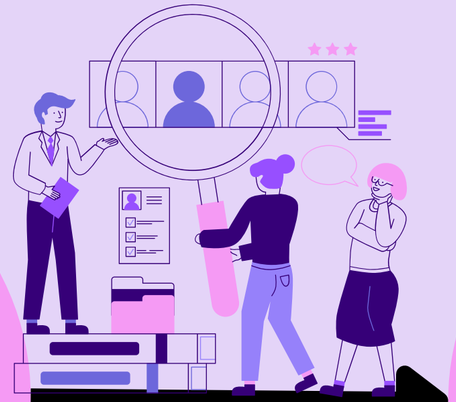
Unique Value Proposition

Redefining Careers in the Age of AI

Nozu.ai helps individuals ***discover their true skills*** and align with ***meaningful careers***.



Empowering users to ***level up their soft skills*** to ***stay ahead of automation***.



Connects job seekers with companies in a ***sustainable, purpose-driven ecosystem.***

The Problem

The Double Crisis: Skills Mismatch & Broken Hiring

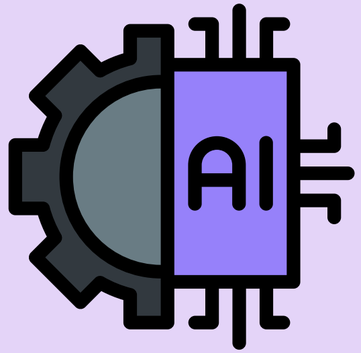
Individuals: Struggle to discover their true skills and find meaningful careers.



Companies: Drown in resumes, unable to identify the right candidates.



AI Disruption: Automation is replacing traditional roles, leaving many unprepared for the future.



The Solution: **Nozu.ai**

Discover, Level Up, Connect



Discover:
AI-powered skill assessments and gamified career simulations.



Level Up:
Real-world challenges and feedback to enhance soft skills.

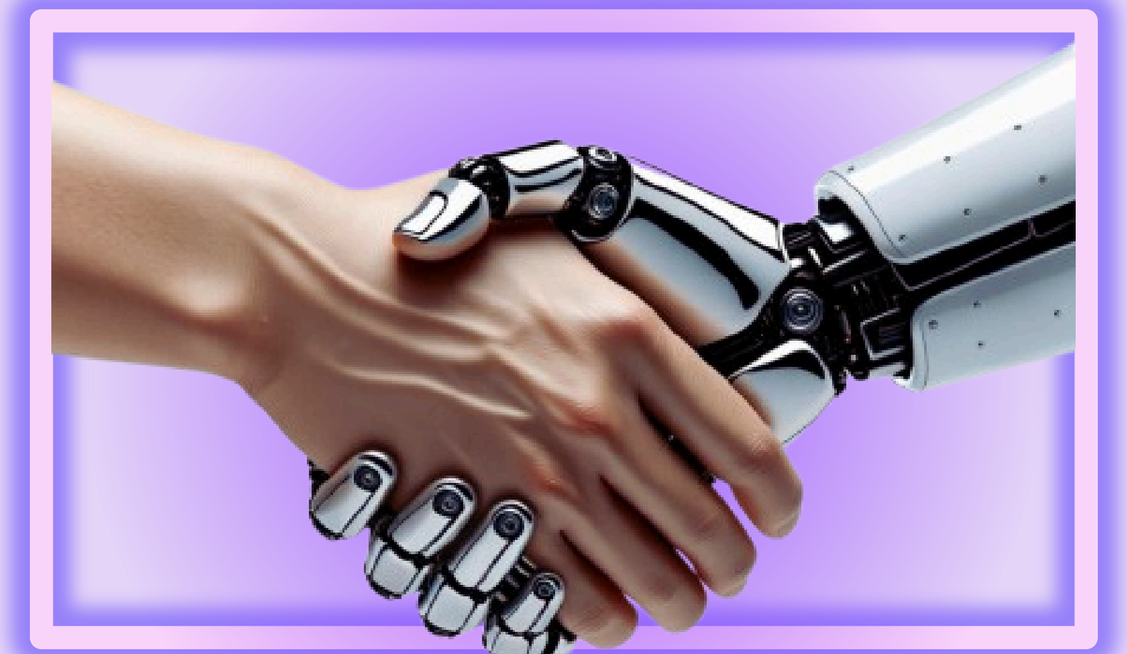


Connect:
A sustainable job ecosystem that matches skills with the right opportunities.

Vision

A World Where Skills Meet Opportunity

1. Empower individuals to thrive in the age of AI.
2. Build a sustainable job market that works for everyone.
3. Create a future where humans and machines work side by side.









Impact Innovation Canvas

Innovation Through Collaboration, Impact Through Action

Project Title:

Nozu.ai (knows you)

Date:

Version:

VALUE PROPOSITION

Highlight the specific, unique value your solution provides to users.

- Helps users identify careers aligned with their unique strengths.
- Enhances hard and soft skills through interactive scenarios.
- Matches candidates with companies based on deep skill assessments.
- Reduces hiring inefficiencies by improving the quality of matches.

STAKEHOLDERS

List the primary users and beneficiaries of your solution and their roles in its success.

- job seekers
- job givers

+ Beneficiaries

- society

ETHICAL DILEMMAS

+ Mitigation Strategy

Identify risks and outline mitigation strategies to address them responsibly.

machines taking decisions for humans → Over-reliance on AI for career decisions → Privacy & Data Protection

PROBLEM / NEEDS

Outline the core problem or unmet needs your solution is designed to address.

- People struggle to discover their real skills – They graduate but don't know what they're truly good at.
- Applying for jobs is overwhelming – Job seekers face endless applications, while companies drown in resumes.
- AI is reshaping jobs – Soft skills are becoming the key to career success.

IMPACT METRICS

Identify measurable indicators that track the positive and negative impacts of your solution.

- Finding the right career
- Finding the perfect candidate faster
- Avoiding job displacement

- Negative Impact

- Over-reliance on AI
- Data Privacy Concerns
- Mismatch with Real-World Job Market
- Algorithmic Errors & Misinterpretai ons

VALIDATION PLAN

Plan how to test assumptions, gather feedback, and refine your solution to ensure feasibility and impact.

- Create an agent, test with ToU students and friends → Assumption 1: students and young professionals are ok with testing their soft skills with AI.
- Test how we can match profiles based on research → Assumption 2: head hunters would trust our system to find the right professionals.

- Iteration Process

- Finding the right target to test the prototype. → Simplify the gamification so there is no fear of complexity.
- Reliance on existing methods - comfort with current processes. → how our methods differs from the current standards

SOLUTION

Summarize the key features or actions of your solution and how it solves the problem.

- AI assistant able to assess soft and hard skills through gamification processes that are done with ML algorithms
- Profile matching between possible employer and employee
- Connect job seekers to further education resources

+ SDG Alignment



CHANNELS

Specify the places or communities where your solution will connect with users or stakeholders.

- Universities & schools, bootcamps, career change entities
- State minister of Work, employment agency
- LinkedIn

COSTS

Outline the key resources, expenses, or investments required to implement your solution.

- OpenAI/De epseek/Qw en LM API
- other tech tools needed to build an interface

REVENUE STREAMS

Outline the sources of income or funding that will sustain your solution.

- subscription to young professionals, students, career changers.
- selling data / matching profiles for head hunters / companies look for professionals / HR team

Business Model

Testing the Idea: MVP Phase

Revenue Model:
Tiered subscription plans

Good: free basic features

Better: skill assessments, career matching

Best: AI CVs, skill-development plan, and premium matching

Additional Future Features:

Fostering a ***community-driven*** platform with events and skill-building opportunities.

Scoring companies based on their societal impact, helping users align with organizations that share their values and contribute positively to the world.

Investment in MVP development,
user testing, and feedback collection.

Raising 25K € in
pre-seed funding.



Opportunity to shape the
future of work
by validating a scalable
solution.

Help Us Test the Idea



Thank you!