MatchForge

AI-Powered Job Matching Platform
with Human Coaching

The Problem

- Job seekers waste time on unqualified applications

- ATS systems reject 75% of resumes before human review

- No visibility into which skills the market actually demands

- LinkedIn shows skill gaps per job, but doesn't aggregate market demand

- Career coaching is expensive ($199-$1,099 per session)

Our Solution: MatchForge

- AI-powered job matching with transparent 6-factor scoring

- ATS optimization for top 10 systems (~56% market coverage)

- Integrated skill gap analysis (single-job AND market-wide)

- AI career coach for instant guidance

- Human coaching at accessible prices

Key Differentiator: Skill Gap Analysis

Single-Job Fit (Tactical)

- "Check My Fit" button on each job
- Shows skills you have vs missing
- Percentage match for that role
- Fuzzy matching (js = javascript)
- Answer: Do I qualify for THIS job?

Market-Wide Analysis (Strategic)

- Aggregates skills across your search
- Shows demand: Docker in 73% of jobs
- Prioritized learning recommendations
- Time estimates and resources
- Answer: What should I LEARN?

Competitive Comparison

Platform	Single-Job Fit	Market-Wide	Integrated?
LinkedIn	Yes (5/8 skills)	Partial	No
Jobscan	Yes (keywords)	No	No
Indeed	Basic %	No	No
Coursera	No	Yes (generic)	No
MatchForge	Yes	Yes (personalized)	YES

Why This Matters: Example

- Job A wants: Python, AWS, Terraform

- → LinkedIn: 'Missing Terraform'

- Job B wants: Python, Docker, K8s

- → LinkedIn: 'Missing Docker, K8s'

- Job C wants: Python, AWS, Docker

- → LinkedIn: 'Missing Docker'

- LinkedIn: 3 separate gap lists

- MatchForge: 'Docker in 67% - learn first, then Terraform (33%)'

Platform Features

- Multi-source job aggregation (USAJobs, The Muse, Adzuna)

- 6-factor transparent matching (skills, experience, salary, location, title, recency)

- LLM-powered resume parsing (auto-extract skills)

- ATS compatibility checker for 10 major systems

- AI career coach with topic suggestions

- Real-time WebSocket chat with human coaches

Technology Stack

Backend

- Python / FastAPI
- PostgreSQL + Redis
- Sentence-transformers (ML)
- OpenAI GPT-4o-mini / Claude
- Docker deployment

Frontend / Infrastructure

- Single-page demo UI
- Real-time WebSocket chat
- REST API + Swagger docs
- GitHub CI/CD ready
- github.com/jerm71279/matchforge

Business Model

- Freemium model with Pro tier ($19/month)

- Free Tier:

  - 5 job matches/day, basic ATS check, limited AI coach

- Pro Tier:

  - Unlimited matches, full skill gap analysis, priority coaching

- AI costs: ~$35/month per 1,000 users (<5% of revenue)

Live Demo

- 1. Profile setup with resume auto-fill

- 2. Job search with real APIs (The Muse)

- 3. "Check My Fit" - single job skill comparison

- 4. "Analyze Skill Gaps" - market-wide demand

- 5. AI Career Coach - instant advice

- Demo: http://localhost:8001/demo

- Login: demo@matchforge.com / DemoPass123

Development Roadmap

- Phase 1 (Complete): Core matching, ATS checker, coaching chat

- Phase 2 (Complete): Profile UI, LLM parsing, skill gaps, AI coach

- Phase 3 (Planned): Match explanations, career path prediction

- Phase 4 (Future): Interview simulation, bias detection

Questions?

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