

Deniz Cansin Rodoplu

AI & Software Engineer @JobTarget

San Francisco, CA, United States | [LinkedIn](#)

EXPERIENCE

AI & Software Engineer

Jun 2025 — Present

JobTarget

Stamford, CT

External & Customer Facing Agents Lead Backend Engineer

- Lead engineer for JobTarget's customer facing AI agents: Designed multi-agent systems on LangGraph and Deep Agents spanning orchestration, intent classification, ReAct-style reasoning, tool calling over MCP, and agent-to-agent (A2A) communication.

- Developed a low-latency, high-throughput serverless runtime on AWS (Lambda, DynamoDB) that scales to zero between sessions — session-scoped short-term memory with cross-session retrieval for long-term recall.

- Implemented the security and context-engineering layer end to end: input/output filtering, scope enforcement, prompt harness design, and middleware hardening against jailbreaks, prompt/code/SQL injection, and PII leakage — the controls that made customer-facing deployment viable.

Search & Matching - Data Ingestion

- Co-built the backfill that enriched and loaded 7M candidate resume records into Vespa, the datastore behind JobTarget's Candidate Manager product.

- Own the realtime ingestion path — a distributed, event-driven SNS → SQS → Lambda pipeline enriching and upserting 10K candidate records/day into Vespa, built for horizontal scale with retry and dead-letter handling for guaranteed delivery.

Data Scientist, Data Lead

Nov 2023 — Jun 2026

Allies Against Slavery

Austin, Texas Metropolitan Area

Product lead for Lighthouse Screening, a SaaS case management and screening tool, hosted on AWS, used by 160+ organizations and 3,000+ users across Texas and Louisiana.

- Orchestrated end-to-end product development and user adoption.

- Acted as a UI/UX designer and crafted UI/UX components on Canva & Figma.

- For customer success, implemented comprehensive training and user engagement programs.

- Lead key stakeholder meeting with partners to decide on new product features, enhance user engagement, and increase screening.

As Data Lead, managed 5 out of 15 key dashboards within Lighthouse Data, utilizing Python, AWS, and SQL to ensure data accuracy, freshness, and consistency.

- Oversaw the development of visualizations that effectively conveyed complex scenarios and insights, driving informed decision-making across the organization and external stakeholders.

- Implemented the ingestion, processing, integration, and automated cleaning of 50M+ data records across multiple datasets using AWS Aurora (SQL), developing workflows for transformation and validation that reduced manual intervention by 50%.

- Using Python and R, performed advanced statistical analysis (including cluster methods, p-tests, A/B tests, and psychometric analysis) to produce in-depth analytical reports (50+ pages), translating complex data insights into actionable recommendations for non-technical audiences.

Statistics and Precalculus Tutor

Jan 2023 — Feb 2024

Superprof

Berkeley, California, United States

Co-Founder & President of The Dialectic at Berkeley

Nov 2021 — Apr 2023

University of California, Berkeley

Berkeley, California, United States

I co-founded UC Berkeley's premier nonpartisan political discourse organization and spearheaded its transition to a registered student organization on campus. By bringing together a robust team of individuals committed to the exchange of free speech and global politics discourse, I ensured that the organization became an inclusive space and thrived after my graduation.

I organized panels and events with UC Berkeley faculty, local politicians, UC Berkeley student body, and thought leaders on various subjects. The Dialectic at Berkeley remains a strong presence at the UC Berkeley campus, fostering a space for the discussion of politics, current affairs, and philosophy.

Usher Captain

Sep 2021 — Apr 2023

Cal Performances

Berkeley, California, United States

I coordinated 5 - 15 volunteer ushers during shows which housed between 500 - 8000 patrons. Through my experience, I learnt to actively communicate with people from all backgrounds and honed on my leadership skills.

Operations Manager

Jun 2020 — Aug 2021

Yasos Suites by the Sea

Berkeley, California, United States

Transformed our traditional family-run hotel by leading the digitalization of operations, implementing online reservation systems, payment solutions, and enhancing social media presence. This shift resulted in a 120% increase in foreign tourists and boosted overall occupancy to 90%. Oversaw the execution of housekeeping, restaurant, and reception services, designed

and implemented staff schedules, and maintained efficient coverage across all operational areas. Additionally, co-managed and created engaging content for social media, growing Instagram followers from 0 to 3500.
www.yasossuites.com

Senior Writer at Berkeley Political Review

University of California, Berkeley

Aug 2019 — May 2023

Berkeley, California, United States

I graduated UC Berkeley with a dual degree in Political Science and Data Science. My coursework underlines my passion for quantitative reasoning in social sciences, Middle Eastern politics, and political economy. I completed my undergraduate experience with an Honors Thesis which examined wealth amnesty regulations in Turkey; growing illicit political economy literature; and the effects of law on society. Through my time at Berkeley, I have equally maintained several leadership positions in student organizations and was nominated to receive the Priestley Award for my contributions to student welfare as a student leader.

Global Relations and EU Roundtable Intern

TÜSİAD

Jun 2019 — Aug 2019

Istanbul, Türkiye

EDUCATION

University of California, Berkeley

Bachelor of Arts - BA in Political Science & Data Science

Aug 2019 — May 2023

Graduated from UC Berkeley with a dual degree in Political Science with high honors and a specialization in comparative politics; and Data Science with a domain emphasis on quantitative social sciences.

Harvard University

Secondary School Program in Political Science and Government

Jan 2017 — Jan 2017

Lycée Français Pierre

French Baccalaureate in Science

Jan 2015 — Jan 2019

Activities and societies: Co-founder of the school's MUN Club, two times class president (once sophomore year and once senior year)

CERTIFICATIONS

International Business Environment and Global Strategy, IIMBx | Indian Institute of Management Bangalore Nov 2018

Certificación de Calificación DELE Nivel B1, Instituto Cervantes

Jul 2018

Justice, HarvardX - An Online Learning Initiative by Harvard University through edX

Dec 2017

A Collaborative Approach to Building a Human Trafficking Data Ecosystem: A Blueprint for Shared Governance, Technology, and Terminology,

Youth Screening Insights: Texas and Louisiana,

The last stronghold of resistance: Idlib in War,

The Fate of a Nation,

The Iraqi Struggle for Self Determination,

The Ugly Truth Beneath The Sand Dunes,

SKILLS

AWS Lambda · Data Ingestion · Cloud Applications · Retrieval-Augmented Generation (RAG) · Amazon Web Services (AWS) · Amazon CloudWatch · Amazon Dynamodb · Artificial Intelligence (AI) · Software Development · Multi-agent Systems · LangChain · Data Management · Product Management · Mathematical Statistics · Written Communication · Oral Communication · Economics · Data Analytics · Social Sciences · Regulatory Policy · Legislative Relations · International Studies · Environmental Policy · Business Initiatives · Policy Analysis · Analytical Skills · Quantitative Research · Teamwork · Project Management · Customer Service · Event Planning · Data Analysis · Statistics · Journalism · WordPress · Interviewing · Storytelling · Academic Research · Qualitative & Quantitative Research Methodologies · Active Listening · Leadership · Research · Communication · Writing · Creative Writing · Nonprofit Organizations · News Writing · Political Science · Online Research · Microsoft Excel