

Hazem Alabiad

WORKING STUDENT | FULL-STACK ENGINEER | AI | NLP | ML | LLM

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Bio

M.A. student in **Computational Linguistics** at Tübingen, with **6+ years** of **software engineering** experience. Seeking opportunities in **NLP**, **AI**, **LLM**, and **Software Engineering**.

Skills

Full-Stack: React.js, Next.js, TypeScript, JavaScript (ES6+), Redux, GraphQL, Apollo Federation, Node.js, WebSocket, Elasticsearch

AI/NLP: Python, LLMs, NLP, TensorFlow, Transfer Learning, Data Engineering, R, Pandas

DevOps & Workflow: Docker, Git, Jest, Cypress, Puppeteer, Figma, MySQL, Agile, Linux

Education

Tübingen University, M.A. in Computational Linguistics, Tübingen **Oct 2023 – Present**

- Focus & Interest: Corpus Linguistics, Large Language Models (LLMs), AI, Machine Learning, Cognitive Science, NLP, Data Science

Hacettepe University, B.Sc. in Computer Engineering, Ankara **Sep 2015 – Jun 2019**

- Honor Student & top 10% (GPA: 3.41)
- YTB Scholarship due to high performance

Experience

Research Assistant – University of Tübingen, Tübingen **Jul 2026 – Present**

- LLM-based AI tutor for lectures.

Research Assistant – Leibniz-Institut für Wissensmedien (IWM), Tübingen **Jul 2026 – Present**

- Social media (TikTok) impact research.

Software Engineer (Working Student) – IBM, Böblingen **Jun 2024 – Apr 2026**

- Built production React UI for IBM's Data Quality platform (1M+ enterprise users) using IBM Carbon and TypeScript; maintained 300+ regression tests and E2E tests with Puppeteer and Cypress.
- Drove a11y improvements (ARIA, screen reader, keyboard nav); upgraded Node.js packages and enforced consistent code style via global ESLint/Prettier config.

Frontend Developer – Getir, Ankara **Dec 2022 – Mar 2024**

- Maintained GetirJobs (2.2M+ users); led two greenfield React/TypeScript projects from scratch; boosted dev server speed 3× via Vite migration.

- Established a code review and testing culture, raising component test coverage to 70% with Playwright and Jest; worked in cross-functional Agile/Scrum team with PMs, designers, and backend engineers; integrated REST APIs.

Engineering Lead – Arianna Suisse Sa, Remote (Switzerland)

Jun 2022 – Nov 2022

- Led a team of 4 developers and 1 designer, delivering projects on time and within budget; architected scalable GraphQL API infrastructure with Apollo Federation and MySQL database schema.
- Mentored developers while managing technical hiring for 50+ candidates, onboarding 4 team members.

Full-Stack Developer – Arianna Suisse Sa, Remote (Switzerland)

May 2021 – Jun 2022

- Developed reusable React components from Figma designs; architected and managed GraphQL server with Apollo Federation, client, and MySQL database with ~90% Jest test coverage.
- Built a custom Elasticsearch-based search engine and enabled real-time multi-user editing via WebSocket.

Freelance Software Developer – Remote (US)

Feb 2020 – Feb 2021

- Built pixel-perfect React UIs and integrated third-party APIs for 3 international clients; developed Python web crawlers publishing scraped data to RabbitMQ queues for backend AI pipelines.

QA Automation Engineer – Bayzat, Remote (UAE)

Jan 2019 – Nov 2019

- Built manual and automated test suites for Bayzat's Time-off feature, covering core HR workflows used by thousands across the UAE.
- Developed Cypress regression and E2E suites from scratch, reducing manual testing overhead and catching regressions before release.

Research & Projects

Multiword Expressions in Arabic

2026

- LLM extraction of Arabic verbal MWEs — github.com/.../MWE

Content Rating System

2022

- NLP/DL age-appropriateness classifier for books — github.com/.../content-rating-system

Taxi Tip Estimator

2021

- ML/DL taxi tip predictor on NYC trip data — github.com/.../taxi-tip-estimator

Automated Essay Grading System

2019

- LSTM-based automated essay grading pipeline — github.com/.../essay-grading

Languages

Arabic (Native) | English (Proficient) | Turkish (Proficient) | German (Beginner)

Interests

Drawing, voiceover, travelling, hiking, biking, sports, and reading about history, finance, and socioeconomics