



Hasanali Asadov

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● ABOUT MYSELF

I am a Process Automation Engineering student with a strong interest in industrial systems, automation, and optimization. Alongside my engineering education, I have developed solid skills in full-stack software development, which I actively apply to engineering-oriented and real-world projects.

My academic background provides me with a strong understanding of control systems, industrial processes, and system design, while my software experience allows me to design and implement scalable digital solutions using modern web technologies.

I have completed internships in process automation, oil and gas, smart systems, and software development, gaining practical exposure to both industrial and digital environments. I am motivated to grow as an engineer who combines automation engineering principles with software-driven solutions.

● WORK EXPERIENCE

01/10/2023 - 07/02/2024 - BAKU, AZERBAIJAN

FRONTEND / SOFTWARE ENGINEER GUAVAPAY (GLOBAL PAYMENTS ENABLER)

- Designed and developed engineering-oriented web interfaces for a fintech platform using React and Next.js
- Implemented system logic using React Query, Redux Toolkit, and modern state management approaches
- Applied engineering problem-solving principles to optimize user workflows and system performance
- Collaborated with cross-functional teams to review code, improve system reliability, and ensure scalability

Key skills applied:

Software engineering, system design, optimization, analytical thinking

01/08/2023 - 01/01/2024 - BAKU, AZERBAIJAN

FULL-STACK ENGINEER (MERN) EXPARGO (EXPERT MMC)

- Developed a high-performance web application using React, Next.js, Node.js, and TypeScript
- Designed and managed scalable databases using PostgreSQL, MySQL, MongoDB, Prisma, and Mongoose
- Built RESTful APIs and integrated backend services to support automated workflows
- Applied engineering concepts such as system optimization, modular design, and performance analysis

Key skills applied:

Full-stack engineering, database systems, API design, system optimization

03/06/2024 - 01/07/2024 - BAKU, AZERBAIJAN

STRUCTURED INTERNSHIP – SOFTWARE ENGINEERING SOCAR ITRI (INFORMATION TECHNOLOGIES AND ROBOTICS INSTITUTE)

- Participated in a structured internship program focused on full-stack engineering solutions
- Developed user-oriented and scalable web applications using modern frontend and backend technologies
- Gained practical experience in database management and system integration
- Collaborated in team-based projects applying engineering methodologies

01/06/2023 - 30/06/2023 - BAKU, AZERBAIJAN

ENGINEERING INTERN – OIL & GAS EQUIPMENT SYSTEMS EMERSON – OIL AND GAS VALVES AND PUMPS

- Studied the design, functionality, and maintenance of industrial valves and pump systems
- Gained practical exposure to operational processes in oil and gas facilities
- Observed equipment management, safety practices, and industrial standards
- Developed understanding of mechanical and process automation components

04/06/2024 - 01/07/2024 - BAKU, AZERBAIJAN

ENGINEER IN AUTOMATED SYSTEMS ATENAU LTD – SMART HOME APPLICATION SERVICES

- Participated in the development of smart automation and smart home systems
- Assisted in system deployment, testing, and integration of automation solutions
- Gained hands-on experience with IoT-based technologies and user-centric system design
- Applied automation engineering principles in real-world projects

27/06/2024 - 17/07/2024 - BAKU, AZERBAIJAN

PROCESS ENGINEER AZERSU – PROCESS AUTOMATION DEPARTMENT

- Studied process automation systems in water treatment and distribution facilities
- Assisted in monitoring, maintaining, and optimizing automated control systems
- Gained exposure to SCADA-based systems and industrial automation workflows
- Applied control and automation fundamentals in operational environments

01/06/2023 - 01/07/2023 - BAKU, AZERBAIJAN

OIL AND GAS OPERATIONS ENGINEER SENTRA QSC – OIL AND GAS SECTOR

- Gained comprehensive knowledge of oil and gas industrial operations
- Assisted in equipment monitoring and technical documentation
- Observed engineering workflows, safety procedures, and quality assurance processes
- Supported project-based engineering tasks

EDUCATION & TRAINING

16/09/2021 - Current - BAKU, AZERBAIJAN

BACHELOR OF ENGINEERING IN PROCESS AUTOMATION ENGINEERING- BAKU HIGHER OIL SCHOOL

Level in EQF: 6 | **Website:** <https://bhos.edu.az>

26/02/2025 - 27/06/2025 - RUSE, BULGARIA

PROCESS AUTOMATION ENGINEERING (ACADEMIC EXCHANGE / STUDY PROGRAM)- UNIVERSITY OF RUSE / BULGARIA

Final grade: 100/100 | **Level in EQF:** 6 | **Website:** <https://www.uni-ruse.bg/en>

01/02/2024 - 22/11/2024 - BAKU, AZERBAIJAN

FULL-STACK WEB DEVELOPMENT- HOLBERTON SCHOOL AZERBAIJAN

Level in EQF: 5 | **Website:** <https://www.holbertonschool.com/campuses/baku-azerbaijan>

02/07/2024 - 07/03/2025 - BAKU, AZERBAIJAN

FULL-STACK WEB DEVELOPMENT- CODE ACADEMY

Final grade: 98.3 /100 (High Honor Diploma) | **Level in EQF:** 5 | **Website:** <https://code.edu.az>

● LANGUAGE SKILLS

Mother tongue(s): **AZERBAIJANI**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
TURKISH	C2	C2	C2	C2	C2

● SKILLS

Microsoft Office | Microsoft Word | Microsoft Powerpoint | Microsoft Excel | Google Drive | Next.js | React.js | Tailwindcss | HTML5 | CSS | JavaScript | TypeScript | C | C++ | Python | Vercel | web-development | Figma | MongoDB | Prisma | Redux | Restful API | Express.js | Passport.js | PostgreSQL | Node.js | Git | Github

● PROJECTS

01/07/2024 - 31/08/2024

Repair Service Company Website

- It has global rating in web platform
- Designed and developed a service-oriented company website
 - Applied system structuring and optimization techniques for real-world business needs

Links ifixhere.com

29/08/2024 - 01/01/2025

Personal Portfolio Website

- Designed and developed a personal engineering-focused portfolio to present projects, skills, and experience
- Implemented scalable frontend architecture using modern web technologies
- Applied system design principles to ensure performance, responsiveness, and maintainability

Links <https://asadov.vercel.app> | <https://asadov.site>

01/11/2025 - 12/12/2025

Autonomous Terrain Rover

Users can start/stop the rover.

Also can see the real-time data and timestamp of last updated data.

Our teammates report and site preferences has been uploaded to the site also.

Links <https://terrain-rover.vercel.app> | <https://terrain-rover.site>

01/01/2024 - 01/03/2024

Vehicle Rental Platform

- Developed a full-stack vehicle rental web application inspired by real-world business systems
- Implemented booking workflows, data management, and user interaction logic
- Applied engineering problem-solving approaches to system structure and user experience optimization

Links <https://hassixt.vercel.app> | <https://hassixt.site>

01/03/2024

Online Marketplace Platform (Turbo.az Clone)

- Developed a marketplace platform with categorized listings and dynamic filtering
- Designed data models and APIs to manage listings and user interactions
- Focused on system performance, modular design, and scalability

Links <https://hasturbo.vercel.app>

01/05/2024 - 01/06/2024

Task Management Applications (To-Do Systems) There are 2 types : Personal and Global

- Write here the description Developed task management systems to optimize workflow organization
- Implemented data persistence and user interaction logic
- Applied automation and system optimization concepts

Links <https://hastodo.vercel.app> | <https://hastodo-next.vercel.app>

01/07/2024 - 31/07/2024

QR code generator Generates QR code from: text, media, link, audio

01/10/2025 - 01/11/2025

Screen Share without using HDMI cable Users can simple share their screen via internet, instead of using HDMI cable

Links <https://hasscreen.vercel.app>

● CERTIFICATIONS

12/03/2025 Code Academy

High Honor Diploma from Code Academy

GPA: 3.9 / 4.0

21/11/2024 Holberton School Azerbaijan

High Honor Diploma from SF Holberton school

GPA: 4.0 / 4.0

High Honor Diploma

Final project: Pomodoro Work Application

01/12/2021 Republican Education Olympiad

Republican Subject Olympiad – Mathematics

- Achieved recognition at national level in mathematics
- Demonstrated strong analytical and problem-solving skills

01/12/2020 Republican Education Olympiad

Republican Subject Olympiad – Physics

- Recognized for academic excellence in physics
- Demonstrated strong understanding of scientific concepts

01/12/2019 American Olympiad Services

American Mathematics Olympiad Certificate

- Recognized for participation and achievement in international mathematics competition
- Demonstrated early aptitude for analytical and mathematical thinking

01/01/2023 Copernicus

Volunteering at Copernicus

Copernicus Natural Science (2024)

Copernicus Physics Astronomy (2024)

FISO English (2024)

FISO Math (2024)

FISO IQ (2024)

FMO Math (2023)

16/10/2024 Baku City Circuit

Volunteering at BCC

Robotex - 2024

RIZIN MMA - 2024

● VOLUNTEERING

14/08/2024 - 09/10/2024 Baku, Azerbaijan

BCC – Rizin MMA

- Provided information and guidance to participants and visitors during the event
- Supported on-site coordination and operational activities
- Assisted in ensuring smooth communication between organizers and attendees

18/03/2021 - 31/03/2021 Baku, Azerbaijan

Constructor

- Participated in construction and setup activities for university projects
- Supported technical and organizational tasks
- Developed teamwork and practical problem-solving skills

01/01/2021 - 15/06/2023 Global Olympic Center (GOC), Baku, Azerbaijan

Supervisor

- Supervised and coordinated volunteer teams during sports and international events
- Supported operational planning and event execution
- Developed leadership, organizational, and communication skills

Links <https://goc.edu.az>