

# EMIN DABAKHOV

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## EDUCATION

**ADA University**  
**Bachelor of Computer Science**

**Baku, Azerbaijan**  
**Expected May 2027**

- **Selected coursework:** Software engineering, Object Oriented Analysis and Design, Data and Information engineering, System Analysis, Operating Systems, Cybersecurity.

**Petroleum+ High school**

**Perm, Russia**

- Advanced study in the physics and mathematics profile
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## EXPERIENCE

**Azercosmos**  
**Satellite engineering intern**

**Baku, Azerbaijan**  
**June 2025 – July 2025**

- Explored satellite communication systems and orbital mechanics through info sessions with engineers, gaining exposure to real-world aerospace and geospatial technologies.
- Collaborated with domain experts to understand practical applications of satellite data in earth observation and analysis

**Crable**  
**Frontend Developer**

**Baku, Azerbaijan**  
**October 2024 – March 2025**

- Stack: Next.js, TypeScript, React, Zustand, Tailwind CSS
- Developed and maintained scalable UI components for a SaaS marketing platform using Next.js and TypeScript, improving code reusability and reducing development time for new features.
- Integrated RESTful APIs and optimized client-side data fetching, reducing unnecessary re-renders and improving application responsiveness
- Improved frontend performance through techniques such as lazy loading and component-level optimization, leading to faster page load times
- Collaborated with backend engineers to design efficient API contracts and ensure reliable data flow across the system

**OpenConnect**  
**Frontend Developer**

**Baku, Azerbaijan**  
**February 2023 – June 2024**

- Stack: Next.js, TypeScript, Redux, Tailwind CSS
- Developed and maintained responsive, reusable UI components for multiple production web applications using Next.js and TypeScript
- Collaborated in a cross-functional team to deliver 3 full-scale web products, focusing on modular architecture and scalable frontend design
- Implemented unit and end-to-end tests (e.g., Jest, Cypress) to improve code reliability and reduce regression bugs
- Represented the startup at BakuID, presenting products and engaging with potential users and stakeholders

## ACTIVITIES & AWARDS

- **2nd Place - Azercosmos "National Space Hackathon"** - Built a system for analyzing multi-layer satellite imagery to compute land suitability scores using mathematical models, enabling data-driven agricultural planning in a competitive hackathon setting.
- **Volunteer, ICPC World Finals** - Coordinated logistics, guest operations, and event materials for an international programming competition, supporting participants and organizers from multiple countries.
- **Hackathon Participant - IDDA Hackathon 1** - Developed a full-stack "Multi-Source Financial Passport" within 24–48 hours, enabling aggregation of financial data across providers using Next.js and REST APIs
- **Full Stack Developer, USG Future Hub** - Built a custom CMS using Next.js and React; developed scalable backend APIs with NestJS and PostgreSQL; designed and integrated full-stack features to support university initiatives
- **Project Coordinator, ESN** - Managed local projects to enhance Erasmus+ student experience; coordinated teams, partners & volunteers.

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## PROJECTS

[Matcher](#) - Built a full-stack collaborative platform using Next.js, NestJS, TypeScript, and PostgreSQL, enabling users to post projects, match roles, and track applications. Contributed to system architecture design, implementing role-based matching and application workflow features.

[USG Website](#) - Developed the backend of the United Student Government (USG) platform using NestJS, TypeScript, and PostgreSQL. Designed and implemented the application architecture, APIs, and database models to support student representation, committee management, and campus initiative tracking, ensuring scalable, secure, and efficient data handling.

[Seeder](#) - Designed a multi-tenant backend architecture enabling isolated environments for different clients within a shared system. Built scalable APIs and data models to support deal tracking and evaluation workflows. Implemented tenant-level data isolation and flexible infrastructure integration

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## ADDITIONAL INFORMATION

**Languages:** Azerbaijani (native); English (fluent); Russian (native), German (A1)

**Computer Languages:** JavaScript (ES6+), TypeScript, Java, Python, C++

**Frameworks, Libraries & Tool:** NodeJS, NestJS, ExpressJS, Prisma, NextJS, React, Redux, SASS, MUI, Tailwind,