

# Ali Rostami

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## EDUCATION

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- **Islamic Azad University Of Mashhad**

*Bachelor of Engineering in Computer Science; GPA: 3.43 (17.15/20)*

Mashhad, Iran

*Sep 2019 – Aug 2023*

## SKILLS

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- **Programming Languages:** Go, Javascript, Typescript, Bash, CSS, Arduino, C/C++, SQL, TeX
- **Frameworks/Libraries:**
  - **Frontend:** React, Next, TailwindCSS, Bootstrap, Material
  - **Backend:** Express, Nest, Gin, Mux, Echo
  - **Testing:** Jest, Cypress, Testify
- **Technologies:** Git, Nodejs, Docker, Nginx, PostgreSQL, MongoDB, Redis, NATS, Temporal, Centrifugo, ELK
- **Platforms:** Linux, WSL, AWS, DigitalOcean, Hetzner
- **Others:** RESTful, gRPC, WebSocket, Microservices
- **Languages:** English, Farsi(Persian)

## EXPERIENCE

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- **Eco Waste Management Solutions - Full-time**

*Back End Developer*

Mashhad, Iran

*Nov 2022 - Present*

- **Developed and deployed multiple microservices**, supporting at least two applications and enabling seamless communication between them.
- **migrated an old monolithic application to a scalable microservice architecture**, resulting in improved performance and maintainability.
- **Implemented Domain-Driven Design (DDD) principles**, streamlining the development process and enhancing code maintainability.
- **Spearheaded the migration of a legacy Node.js application to Go**, resulting in significant performance improvements and reduced resource consumption.

- **Project Management (projmgt.fr) Website - Part-time (Remote)**

*Software Engineer*

Lille, France

*Jan 2022 - Oct 2022*

- **Developed a robust Node.js backend service responsible for generating exams and scoring students' solutions using a sophisticated formula**, resulting in improved accuracy and efficiency.
- **Implemented Email-based Time-based One-Time Password (TOTP) authentication**, enhancing the security of user accounts and preventing unauthorized access.
- **Collaborated with the front-end team to develop and maintain several pages of the application**, ensuring a seamless user experience and consistent design.

- **Ardoak Smart Home - Full-time**

*Founder, Software Engineer*

Mashhad, Iran

*Oct 2020 - Sep 2022*

- **Designed and developed a comprehensive alarm system capable of integrating with a variety of sensors**, providing users with a robust security solution for their properties.
- **Implemented notification functionalities, enabling users to receive real-time alerts via Email, SMS, Telegram**, and other communication channels, enhancing their ability to respond to security events promptly.
- **Led the development of a user-friendly web-based panel, allowing users to monitor their property remotely, change security settings**, and control connected devices, such as lights, to enhance overall security and convenience.