Ali Rostami

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EDUCATION

- **Islamic Azad University Of Mashhad**
  Bachelor of Engineering in Computer Science; GPA: 3.43 (17.15/20)
  Mashhad, Iran
  Sep 2019 – Aug 2023

SKILLS

- **Programming Languages**: Go, Javascript, Typescript, Bash, CSS, Arduino, C/C++, SQL, TeX
- **Frameworks/Libraries**: Express, Nest, Gin, Mux, Echo
- **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

- **Eco Waste Management Solutions** - *Full-time* Mashhad, Iran
  Back End Developer *Nov 2022 - Present*
  - **Developed and deployedmultiple 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)* Lille, France
  Software Engineer *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* Mashhad, Iran
  Founder, Software Engineer *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.

PROJECTS

- **Portfolio**: My portfolio website. showcasing my achievements
  - Typescript, React, TailwindCSS, Go
- **Baagh**: Not yet open-source software written in Go programming language for managing RaspberryPi's GPIO pins without programming.
  - RaspberryPi 4, Go, Tinygo, C++
- **ReClass**: Open-source software to automatically record online classes on www.daan.ir and save them as x265 encoded video using FFmpeg for encoding.
  - Typescript, Nodejs, Puppeteer