

Professional Experience



Embedded Hardware and Backend Developer

HOME AUTOMATION PROJECT AT NATIONAL ELITES FOUNDATION

2023 - Present

Tehran, Iran

- Lead a team of computer security experts, electrical engineers and developers to build home automation appliances and smart gateways using TI's Zigbee chips and Espressif System's ESP32 and ESP8266 microcontroller series
- Guide our team to implement Test-Driven Development practices and integrate solutions produced by other teams in our product.
- Coordinate efforts between our team members and set goals and deadlines according to our timeline.
- Technologies:
 - FreeRTOS
 - Websocket
 - Nodejs
 - Embedded Linux
 - Svelte



Fullstack Developer and Systems Administrator

ABARKELAS

2022 - 2023

Tehran, Iran

- Develop Django backend using django-rest-framework
- Fix bugs and improve UX at our frontend using SSR and Vue.js
- Improve monitoring and alerting for our backend systems
- Implement self-healing procedures for our backend systems
- A/B test our user base to guide our product development process
- Technologies:
 - Django REST Framework
 - Vue.js
 - Docker
 - Redis
 - Postgres
 - Grafana + Prometheus



Fullstack Developer and Systems Administrator

NIROUTRANS CO.

2020 - 2022

Shiraz, Iran

- Complete development of an advanced monitoring system for Niroutrans' solar power plant, the biggest roof-mounted solar power plant in Iran
- Design advanced data visualization for our power plant monitoring system
- Design and implement online product documentation center to improve our customers' experience
- Technologies:
 - Microsoft SQL Server
 - Redis
 - Bootstrap 4 & 5
 - Modbus TCP
 - Protobuf
 - Nginx

