



# Ali Mohammadnia

Back-end Engineer | DevOps

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## 👤 Let Me Introduce Myself

Eager **Software Engineer** Candidate with **4 years** of programming experience. Possesses a passion for learning new technologies and a **strong foundation in coding principles**. Driven to **contribute to challenging projects** and **collaborate** effectively within a **team**.

## 👜 Professional Experience

### Raydad, Software Engineer | DevOps

2023 May – present

- [Hamresan [🔗](#) | Hamresan\_khadamat [🔗](#) | Payeshino [🔗](#) | etozie [🔗](#) ]
- **System Architecture & Database Management:** Designed and managed a master-slave **PostgreSQL** architecture, enhancing database performance by 20%.
- **Authentication & Security:** Planned secure user authentication using **JWT** and SSO solutions by **FastAPI**, including **OTP** verification via **Redis**, resulting in a 30% reduction in security incidents.
- **Asynchronous Task Management:** Leveraged **Redis**, **RabbitMQ**, and **Celery** to handle tasks and uploads, reducing system response times by 25%.
- **Automation & Deployment:** Established **CI/CD** pipelines using **GitHub Actions** and **Docker Compose**, improving deployment efficiency by 40%.
- **Monitoring & Visualization:** Set up **Prometheus** and **Grafana** for comprehensive monitoring and implemented request tracing with **Jaeger**, boosting system reliability.
- **Data Analysis & Reporting:** Configured **Metabase** for data analysis and reporting from **PostgreSQL** and **MS-SQL** databases, providing actionable insights to stakeholders.

### Lexico Novin System [🔗](#)

#### Remote Backend Developer (English Learning Application)

2024 May – 2024 Sep

- Implemented **OAuth 2.0** login via **Google Cloud Console**, increasing application security.
- Integrated **MINIO** for multimedia **file storage**, optimizing the retrieval speed of media assets.
- Supported **multilingual** user experience by customizing **API responses** and **error messages**.

## Personal Projects

### Online Chat and Video Call [↗](#)

#### Personal Project – Real-Time Online Chat

Developed a **real-time online chat application** [↗](#) using Django Channels and WebSockets.

#### Key Features and Technologies:

- **Real-Time Chat:** Developed **real-time chat** functionality using **Django Channels** and **WebSockets**, allowing users to engage in **live conversations** within chat rooms.
- **Testing:** Employed **Selenium** for automated testing, ensuring the reliability and functionality of the application across different scenarios.

## Skills

**Programming Languages** – Python | JavaScript  
| Kotlin | HTML

**Frameworks** – Django | Django Restframe Work  
| FastAPI | Ktor

**Repo Hosting Services** – Git | Github and Github  
action | Gitlab and CI/CD

**SQL Databases** – Postgres | Postgis | MS-SQL

**NoSQL** – Redis | MongoDB

**Software Design And Architecture** – GOF  
Design Patterns | Data Structure | DDD | TDD

### Docker & NGINX

**Caching and Message Broker** – Server Side  
Caching | Memcached | RabbitMQ

**Testing** – Integration Test | Unit Test | Functional Test

**Synchronous & Asynchronous and Real-Time**  
– Celery | Websocket

**Monitoring And Tracing and Load Test** –  
Jaeger | Prometheus & Grafana | K6 | Locust | Sentry

### S3 MINIO

**Linux** – Fedora | Ubuntu | Termux

**Code Space Environment** – Pycharm | Vim |  
Replit | SublimeText | Atom | Jupiter Notebook |  
VScode

**Agile an SCRUM** – Jira | Thrello | Slack

**Search Engines** – Elasticsearch | Logstash | Kibana

## Organizations

**Raydad, Back-end developer | DevOps** [↗](#)  
Tehran, Iran

**Makeen Academy, Jounior Developer** [↗](#)  
Tehran, Iran

**Novin System, Remote Back-end Developer** [↗](#)  
2024 May – 2024 Sep | Kashan, Iran

## Certificates

**Python Certificate from Tehran  
University**

**Python Programming – SoloLearn** –  
Beginner [↗](#) | Intermediate [↗](#) | Core [↗](#)

## Languages

**English** ● ● ● ● ●  
IELTS 6.5

**Russian** ● ● ● ● ●

علي محمدنيا