



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 | JR 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%. Integrated **PostGIS** for **geospatial** data handling across multiple applications.
- **Authentication & Security:** Implemented 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 and Video Call Application

Developed a **real-time online chat application**  using Django Channels and WebSockets.

Key Features and Technologies:

- **Real-Time Chat:** Implemented **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


Python – O.O.P | SOLID | Django | DRF | FastAPI,
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
& Graffana | 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,
JavaScript & HTML


I truly appreciate you taking the time to review my qualifications.




علی محمدنیا

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 

Interests

Follow new Technologies 