

# Mohammad Efazati

- 47 Carrig Rua, Nenagh, Tipperary, Ireland
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- More than 14 years of experience

• **DevOps Engineer** • **Developer**

<https://linkedin.com/in/efazati/>

## Skills

### Languages

Expert: Python (8+ years)  
Proficient: Golang, Javascript  
Competent: Bash script,  
Node,PHP

### Databases

MongoDB, MySql, PostgreSQL, Redis, Sqlite,  
Cassandra, Elasticsearch

### OS

Linux (Ubuntu, Debian, Archlinux, CentOS)

### Frameworks and Library

Django, Flask, Django Rest Framework,  
Jinja, Ssqlalchemy, Pytest, Mongoengine,  
Wtform, Mux and Gorila, Backbonejs,  
Celery, Click, Scrapy and etc

### Other

AWS, GCP, Kubernetes, Docker, Hashicorp Terraform, Ansible, Puppet, Vagrant, Hashicorp Vault, OpenVPN, Wireguard, Nginx, Uwsgi, Git, Hg, Kafka, Docker compose, GPIO, Kibana, Grafana, Gitlab CI, Jenkins, Cryptography, Diffie-Hellman, DB Replication, Server clustering, Blockchain, EC2, VPC, S3, RDS, SNS, SQS, DynamoDB, AWS 3-tier architecture and etc.

## Experience

### **Fiserv - Clover, Staff DevOps Engineer** *Nenagh, Ireland* (December 2020 - Present)

**Technologies:** GCP, Kubernetes, Puppet, Terraform, Mysql, Golang, Docker,, Jenkins, Vault, Rundeck, Fabric

**Responsibilities:** Availability, latency, performance, efficiency, change management, monitoring, emergency response, and capacity planning for the Clover's products

- Cache internal requests with Squidproxy and golang app to check those services health

### **Cainthus, DevOps Engineer** *Dublin, Ireland* (September 2018 - December 2020)

**Technologies:** Kubernetes, Ansible, Terraform, AWS, Golang, Python, Flask, Docker, OpenVPN, CircleCI, Jenkins, Vault, RPI, Jetson TX2

**Responsibilities:** Create a platform for all company's projects

- Develop a wrapper around Kubernetes and AWS ( API and CLI ) with ACL and integrated CI/CD
- Develop all of our Kubernetes cluster installation process (IaC )
- Creating and maintaining CI/CD pipeline with. CircleCI and Jenkins
- Creating a tool for monitoring services integrated with ARM and Datadog
- Manage distributed Kubernetes over X86 and ARM devices (more than 100 nodes)
- Configure ARM devices (Jetson TX2-RPI) with Ansible
- OpenVPN installation automation and monitoring integration + central VPN user management and high availability
- Channel manager for microservices that handle all interactions with customers ( SMS, Email and Slack )

### **Noavaran Saramad Sharif, Tech Lead and DevOps Engineer** *Tehran, Iran* (July 2017 - September 2018)

**Technologies:** Python, Django, DRF, Vuejs, Docker, Kubernetes, ELK, Postgresql, Encryption, TDD

**Responsibilities:** Understand and predict project needs and based on that Design projects architecture, microservices workflow and, design database schemes Also develop the main part of projects and manage the team to achieve the project goal.

- *Mobank wallet:* an online payment system that supports online money transfers and serves as an electronic alternative to traditional paper methods like checks and money orders. <http://mobank.co> (integrated with government banks)
- Customize Open EDX for local E-learning system <http://derayatacademy.com/>
- Design and Develop an E2E encryption layer that handles multiple security issues like MITM, key exchange, and ...
- Create and maintain CI/CD that is working with environments like Kubernetes, Jenkins, Gitlab for development teams

### **Ravanertebat Asr, Software Engineering Director** *Tehran, Iran* (January 2013 - July 2017)

**Technologies:** Python, Flask, Django, MongoDB, Cassandra, Mysql, Linux, Golang, Backbonejs, Redis, Celery, RabbitMQ

**Responsibilities:** manage a team (30 developers), Analysis ideas and design architecture, workflow of modules and, create the main backlog for junior developers also develop the main part of projects depending on a deadline and complexity.

- *ARGUS*: network and sensor monitoring solution <http://www.argus-nms.com>  
Used by the leading mobile telecommunication operators including MTN Irancell for monitoring 1M sensors per second also Used in factories like *KHPC* for monitoring 10,000 sensors per second
- *DLP 3D Printer*: The first Iranian 3D printer software over the Raspberry Pi with DLP Tech <https://www.nanodlp.com>
- *Mazanex*: Currencies, gold and stocks market monitoring with more than 6M daily visits <http://mazanex.com>
- *BAB*: Marketplace for Iranian shops with more than 8K websites and more than half a million products <http://bab.ir>  
also used for *Itzar* biggest Iranian gold market <http://itzar.ir>
- Summarize news and articles with Tf-IDF <http://www.matnak.com/>
- Test Automation for Huawei CBS (E2E and UAT level)
- *Raspino* Raspberry Pi based projects like car plate reader based on OpenCV, Smart TV based on Kodi
- *Ketab Name* Largest Iranian social network for book readers that suggest a book based on activities graph
- API wrapper for booking flight tickets and other transportation systems (similar to Amadeus)
- The Managing more than 30 servers contain Nginx, uWSGI, Git Repository, and GitLab CI, monitoring and backup, DNS and troubleshooting, hardware upgrading, disaster recovery, etc.
- Wikipedia analysis, detecting personal pages, creating graph relations, and running Word2Vec for texts
- Various types of crawlers for crawling blogs, news websites, and social networks also Monitor all Iranian news, de-duplication, and merging, detect events and ... <http://www.khabarist.com/>
- Consultant in *Khak co.* and help them as Tech lead (2015 - 2017)
  - *Nahal Name* - User management and SSO system
  - *Khatkhan* - EBook reader client for mobile - also integrated with Nook
  - *Pooshe Name* - File sharing service based on DFS
  - And other systems like Mail, Calendar, VOD film service and etc

#### **Bayan, Senior Software Engineer** *Tehran, Iran* (September 2010 - December 2012)

**Technologies:** Python, Django, Flask, MongoDB, Backbonejs, Werkzeug

- Design and implementation
  - complete blogging service from preliminary stages <http://blog.ir> and file sharing service <http://bayanbox.ir>
  - web-based user interface for metasearch engine <http://salam.ir>
  - comprehensive statistics and monitoring service
  - Bayan Single Sign-On (SSO) service <http://bayan.ir>
  - complete email solution from preliminary stages <http://hod.ir>
  - Design, Development, and management of many other projects such as comprehensive log system solution, ORM, web framework, payment infrastructure, user plans system, etc.

#### **Sepehr Andisheh Javan, Software Engineer** *Tehran, Iran* (January 2010 - August 2010)

- LMS with SCORM methods
- Tehran Short film festival
- Web-based ERP system with Site maker

#### **Farzan Institute, Software Engineer** *Tehran, Iran* (February 2009 - December 2009)

- *Farasa* - Customization of LMS Moodle <http://farasa.net>
- *Sanje* – A Platform for Evaluation of Medical Articles and Magazines <http://sanje.ir>
- *Faradata* - Clinical/Pharmaceutical Studies and survey <http://faradata.net>

#### **Miscellaneous** (2007 - Present )

- *Pahlevon* - Telegram Based Game - with more than 200K player
- *Iranatrip* - booking platform for adventure and sightseeing in Iran
- Analysis, design, and development of Iranian Mobile Markets
- Implementing more than 50 websites for companies and institutes also start more than 50 ideas MVP project
- *Minerfarm* – Developing a system for a private pool for mining
- Tehran Municipality IT Department Internal website
- Consultant
  - Ministry of Energy - HSE Passport
  - Ministry of Culture and Islamic Guidance - Big Data platform for multi-purpose usage
  - Islamic Republic of Iran Broadcasting - speech to text for search content by text
  - More than 10 SME companies for software architecture and scalable solutions

## Education

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### **Tehran University** *Tehran - Iran* (2009 - Uncompleted )

- Bachelor of “Software Engineering”

### **National Organization for Development of Exceptional Talents** - *Tehran - Iran* (2002 - 2009)

- High School - Mathematics
- Middle School

## Related Volunteer Experience

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- *Tehran Linux User Group* – Co-founder Tehran - Iran (2009 - Present)
- *IrPycon* Iranian Python Programming Community- Founder Tehran - Iran (2014 - Present)
- *Salam Donya* (Hello World) magazine; the first free software magazine – Editor-in-chief Tehran - Iran (2016 - 2017)
- Free Software Congress *ZConf*- presenter, referee, and member of editorial board Zanjaan- Iran (2011 - 2016)
- Many open-source projects like Mongoengine faster SDK, *Satl* file-based database to store documents, screenshotter from a website, and ArangoDB driver. Check Github to see more

### **Resources**

- <https://github.com/efazati>
- <https://stackoverflow.com/users/471397/efazati>

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references available on request

