



AMIR RAHAFROUZ

Systems Engineer

I am Amir! An enthusiastic Masters student in pervasive computing; a diligent person who constantly seeks excellence through creativity; a great team-worker who likes to help other team members and teach new concepts who is eager to acquire a grasp across different technologies for software development to get the big picture of the state-of-the-art,

SKILLS

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|-----------------------|-------|
| Java/ Software Design | ●●●●● |
| Go (Lang) | ●●●●● |
| Docker/ Kubernetes | ●●●●● |
| Microservices/AWS | ●●●●● |
| Web (HTML/JS/CSS) | ●●●●● |
| Prometheus/ELK | ●●●●● |
| Python/Postgres | ●●●●● |

LANGUAGE

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|---------|-------|
| English | ●●●●● |
| French | ●●●●● |
| Persian | ●●●●● |
| Swedish | ●●●●● |

WHERE TO FIND ME

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PROFESSIONAL EXPERIENCE

SOFTWARE DEVELOPER

IT Center - IUT - Isfahan, Iran

2013 - 2016

- Design, develop, deploy of **web-based** systems. (Drupal, Apache, Linux)
- Requirement Engineering.
- HTML/JS/CSS/PHP/Python/JAVA/Drupal
- Administration of the **Linux** Servers, and network infrastructure.
- **Mentoring** junior developers (2015-2016).

PROJECTS

EDGE COMPUTING / CONTAINERS

Lulea University of Technology -Sweden

2018 - 2019

- **Container** Monitoring: **cAdvisor**, **Prometheus**.
- Developed Microservice in Go-lang. Deployment on **AWS**.
- Adding features to the FogFlow system. (Monitoring, Orchestration)
- Contributed to the FogFlow open-source community (**Github**).

IOT & CLOUD COMPUTING

Lulea University of Technology -Sweden

2018 - 2019

- Experience in development of **IoT** platforms using the FiWARE system.
- Experienced in working on **AWS** environment including **EC**, **S3**, **CloudFront**, **AutoScaling**, **LoadBalancing**, and **MicroServices**.

DISTRIBUTED PROGRAMMING

Lulea University of Technology -Sweden

2018 - 2019

- Hands-on experience on design of a distributed system to simulate the human brain with approximately one million nodes using **ZeroMQ** and **JAVA**.
- Experience of development with **JADE** - a JAVA framework for developing Multi-Agent systems.

SOFTWARE ENGINEERING / UX

Lappeenranta University of Technology - Finland

2018

- Responsible as the **Software Architect** of the **SLIPPS** - an EU funded project.
- Developed front-end using **ReactJS**.
- **Interaction Design** via Conceptual Modeling, **Wireframing**.

COMPUTER NETWORKING

Université de Lorraine - France

2017

- Experience on **CISCO** network routers and switches, and the **Riverbed** network simulator.

ACADEMIC BACKGROUND

ERASMUS MUNDUS JOINT MASTER'S DEGREE ON PERCCOM

Pervasive Computing and Communications for Sustainable Development
2017 - Now

MASTERS DEGREE IN PERVASIVE COMPUTING

Lulea University of Technology - Sweden

MASTERS DEGREE IN SOFTWARE ENGINEERING

Lappeenranta University of Technology - Finland

MASTERS DEGREE IN COMPLEX SYSTEMS ENGINEERING

University of Lorraine - France

BACHELOR'S DEGREE ON SOFTWARE ENGINEERING

Isfahan University of Technology - Iran
2011 - 2016

TEACHING ASSISTANT / LAB INSTRUCTOR

Isfahan University of Technology

2015 - 2016

- IT Engineering
- Database Lab
- Computer Networks
- E-Commerce