

EDUCATION

Ferdowsi University of Mashhad(FUM)

Mashhad, Iran

M.S. in Information Technology–Computer Networks

Sep. 2015 –Sep. 2018

- Thesis Title: “Content Selection and Cache Content Placement Based on Users’ Distribution in 5G Cellular Networks”

Ferdowsi University of Mashhad(FUM)

Mashhad, Iran

B.S. in Computer Engineering–Software

Sep. 2009 –Aug. 2014

- Thesis Title: “Design and Implement a Botnet Network ”

TEACHING EXPEDIENCE

- **TA** at Ferdowsi University of Mashhad Spring 2016
Advanced Computer Networks (for international master students)
- **TA** at Eqbal Lahoori Institute of Higher Education Fall 2016
Advanced Computer Networks
- **TA** at Ferdowsi University of Mashhad Spring 2017
Data Transfer

AWARDS AND HONOURS

- Grade satisfactory of thesis: excellent (A) for M.Sc.
- Ministry of Science, Research and Technology Selected Research-Applied Project
- Received full governmental fellowship for both bachelor and master studies
- Ranked %1 among more than 300,000 candidates in the Iranian University Entrance Exam

INTERESTS

- Computer Networks
- Network Security
- Cloud/Edge Computing
- Application of AI/ML Techniques in Cloud Computing

EXPERIENCE

VUsec group at Vrije University

Amsterdam, Netherlands

Ph.D. Candidate

Oct. 2022 - now

Network-based Smart Systems lab(NSS-lab) at FUM | Automation Team

Mashhad, Iran

DevOps and Cloud Engineer

Jul. 2019 - Sep 2022

Main tasks include but are not limited to:

- Implementing, management, and maintenance of cloud environments, servers, storage, network devices, and databases
- Build and maintain tools for automation in deployment, monitoring, and operations
- Designing and implementing CI/CD pipeline for two blockchains based on HyperLedger Fabric and Ripple
- Implementing, maintenance, and troubleshooting Software-Defined Storage (RedHat Ceph Storage Cluster and FreeNAS) and using SDS cluster to make disaster recovery site for backup and restore data

Network-based Smart Systems lab(NSS-lab) at FUM Operation Team	Mashhad,Iran
Data Center Engineer	Feb. 2018 - Jun. 2019
Main tasks include but are not limited to:	
– Data center technical support for LAN, WAN, and wireless network (Cisco, Mikrotik), services including Active Directory, Remote App, Remote Access on Microsoft Windows and Linux OS (Arch, Debian, Ubuntu, CentOS), virtualization infrastructure (Hyper-V, VMware ESX), monitor switches and routers (Mikrotik Dude)	
Network-based Smart Systems lab(NSS-lab) at FUM Developers Team	Mashhad, Iran
Java and Matlab Developer	Oct. 2017 - Jan. 2018
Main tasks include but are not limited to:	
– Designing and implementing various software programs along with their maintenance and documentation	
Khorasan Regional Electricity Company	Mashhad, Iran
R&D Engineer (Internship)	Jun. 2016 - Sep. 2017
– Project Description: Exploring the Opportunities and Threats of Using the Web Network in the Automation of Electric Power Distribution and Transfers Network	
Mashhad Electric Energy Distribution Company	Mashhad, Iran
Java and Matlab Developer (Internship)	Feb. 2016 - Mar. 2017
– Project Description: Designing and Extracting the Technical Specifications for the Implementation of the Pilot Phase of the Smart Grid on the Level of Home Users (participating in the data center design and the Advanced Metering Infrastructure (AMI) design sub-projects)	
TCI Office	Gonabad, Iran
Java Developer (Internship)	Jul. 2012 - Sep. 2012
– Project Description: Design and develop an application for analyzing the log of public PSTN phones by Java	

PUBLICATIONS

- [1] **Ahangary, Saideh**, H. Chitsaz, M. J. Sobouti, A. H. Mohajerzadeh, M. H. Yaghmaee, and H. Ahmadi, “A proactive caching approach in 5g networks”, in *2020 10th International Conference on Computer and Knowledge Engineering (ICCKE)*, IEEE, 2020, pp. 561–566.
- [2] **Ahangary, Saideh**, H. Chitsaz, M. J. Sobouti, A. H. Mohajerzadeh, M. H. Yaghmaee, and H. Ahmadi, “Reactive caching of viral content in 5g networks”, in *2020 3rd International Conference on Advanced Communication Technologies and Networking (CommNet)*, IEEE, 2020, pp. 1–7.

CERTIFICATIONS

Preparing for Google Cloud Certification: Cloud DevOps Engineer Professional Certificate	2021
Authorized by google and offered through Coursera [see certification]	
Architecting with Google Kubernetes Engine Specialization	2021
Authorized by google and offered through Coursera [see certification]	
Preparing for Google Cloud Certification: Cloud Engineer Professional Certificate	2021
Authorized by google and offered through Coursera [see certification]	
ISO/IEC 27001:2013 Information Security Management System (ISMS) Auditor/Lead Auditor Course	2021
ACS United States	
Batis Academy	

Blockchain Specialization

Authorized by University at Buffalo and The State University of New York and offered through Coursera
[see certification]

2021

Docker

Part Software Group Technical Academy

2020

SKILLS

- **Optimization**
- **Database:** SQL, Oracle
- **Programming:** C, Java, Matlab, Python, flask
- **DevOps Area:** Linux System Administration, Bash, Git, Atlassian Bitbucket, Maas, Docker, Zabbix, Ansible, Terraform, Jenkins, Kubernetes
- **Software Engineering Area:** Oracle Apex, Object Oriented Programming (OOP), UML, Design Patterns, Cloud Native Application, Microservice, Agile methodology with Scrum and Kanban (Atlassian Jira)
- **Data center Area:** Network+, Cisco CCNA, Mikrotik Dude, Hyper-V, VMware ESX, Proxmox, Software Defined Storage (SDS), ISMS, NAS Storage, SAN Storage, HP Servers

PROJECTS

- Design, Implement and Test a Software-Defined Storage (SDS) Cluster Based on Red Hat Ceph Storage
- Design, Implement, Test and Support a SDS Cluster Based on FreeNAS
- Design, Implement, Test and Support a SDS Disaster Recovery Site Based on FreeNAS
- Design, Implement and Test a Private Blockchain based on Hyper Ledger Fabric
- Design, Implement and Test a Private Blockchain based on Ripple TestNet
- Implement a Hadoop Cluster (a containerize cluster based on Docker)
- Design an IoT-Based Architecture using Edge & Cloud for People and Object Positioning
- Design, Implement and Maintain a Backup Plan for Servers, Services and Databases