

Mohammad Javad Shariati

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Work Experience

Sotoon (CafeBazaar Cloud); Tehran, Iran – Site Reliability Engineer (SRE) **OCT 2019 - PRESENT**

- Built a platform to transfer, store, and analyze big data at petabyte scale for multiple user-facing applications with more than 110 million active users across Android, iOS, and Web
- Developed Kubernetes operators to manage Apache {Kafka, Hadoop, ZooKeeper} clusters in a Platform-as-a-Service (PaaS) environment to reduce cluster creation and maintenance costs
- Designed and developed a highly-available Wireguard and BGP-based cloud VPN solution with 99.9% uptime using Kubernetes operators
- Designed and developed CI/CD pipelines for Kubernetes operators to make the development and deployment process faster and safer
- Maintained Apache {Druid, Kafka, Hadoop HDFS, Hadoop YARN, Spark, ZooKeeper} and Elastic Stack (ELK) clusters/services in an on-premise environment with 99.9% availability
- Set up and maintained Monitoring and Alerting stack (Prometheus, Alertmanager, Grafana, and M3DB as long-term storage) and defined and tuned symptom-based alerts to reduce false alarms by 70%
- Set up and maintained Kerberized Hadoop clusters to provide per-user authentication and authorization
- Created mentorship documents and mentored new team members
- Created maintenance and troubleshooting documents for team resources, clusters, and services to effectively train new and existing team members, share knowledge, and distribute responsibilities

Sotoon (CafeBazaar Cloud); Tehran, Iran – Software Engineer Intern **JUL 2019 - SEP 2019**

- Implemented RESTful APIs using Django and a CLI in GoLang to learn best practices, clean code, code review principles, and working in an agile team

Education

Sharif University of Technology; Tehran, Iran – B.S. in Computer Science **SEP 2017 - JUN 2022**

- GPA: 3.6 / 4.0
- Coursework: Computer Networks, Data and Network Security, Distributed Systems, Data Engineering and Big Data, Database Systems, Web Programming, Compiler, Computer Vision and Machine Learning

Skills

- **Proficient in** Docker, Kubernetes, HashiCorp Nomad, Apache {Kafka, Druid, Hadoop HDFS, Hadoop YARN}, Elastic Stack (ELK), Prometheus, Grafana, Python, GoLang, Linux, Git
- **Experienced with** Django, Java, Scala, PostgreSQL, Redis, Ansible, Apache Spark, M3DB, Wireguard

Languages

- English: Advanced; Farsi/Persian: Native