MOJTABA KAMYABI

SOFTWARE ENGINEER

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EMPLOYMENT

Software Engineer   **First Source Arya Solutions –** Deriv projects   **August 2021 - Present**
- Improved quality of Backend codebase consisting of about **30 repositories** by keeping watch on **Circle-Ci** and **Travis-ci** unit tests and code coverages.
- Communicated with the Backend team for infrastructure challenges like Database and development SDKs migrations in upgrading production servers to **Debian 11**.
- Started **third-party integration project** for registering and authenticating partners to the current website using **Layer architecture** (with **WebSocket** and **RPC** layers).
- Adapted well in international company size of **1000** people and **50+** backend developers.

Software Engineer   **HooshRavan Corporation –** Hinava Smart Home Project   **June 2016 – August 2021**
- Reduced memory usage of servers by **70%** from **2Gib** to near **0.7Gib** by Integrating unnecessary split Flask micro-services.
- Implemented micro-service architecture with **Docker Swarm** on **6 servers**.
- Refactored the project into **40+** micro-services for better **manual scaling** and **orchestration**.
- Achieved more than **500+ simultaneous clients** and **100+ gateways** in the system.
- Developed most of the applications using **Python** with frameworks like **Flask** and **Django**.
- Renovated **Django** codes with Flask and Golang to lower memory consumption from 6GB to just under 2GB and make micro-services more responsive.
- Devised Monitoring Services with **Grafana** and **Kibana** for checking the healthiness of vital **Nginx** services, Databases, and about **30+** important micro-services.
- Counselled **GlusterFS** as a Network File System for Integrate Volumes with **6 servers** to **prevent data loss** and **decrease single point of failures**.
- Organized High Availability method between **6 servers** using **cockroachDB** Consistency and Distributed Transactions.
- Recommended **DevOps** Strategies and Implement **Automated CI/CD** with Gitlab-CI with **4 different stages pipeline** includes **Build**, **Test**, **Release** and **Deploy**.
- Analyzed bottlenecks and errors in the system and improve Code with Pressure tests from **12** different servers with **K6**, **Jmeter,** and **Vegeta** tools.

Software Engineer   **DataNik Corporation -** English Learning Website   **May 2015 – June 2016**
- Deployed a website with **Django framework** as a Web application, **Gunicorn** as a **WSGI server,** and **Nginx** as a Web server with about **200+** active users.
- Achieved saving **200+Gib** of unstructured subtitle texts in **MongoDB** for **10+Tib** of videos saved on the disk.
- Advised an approach to decrease the query retrieved time about **3x** faster with **Redis** as a Database Cache Server.
- Designed **Scrapy** Crawler written in **python** to extract movies subtitles over the web and save to the **MongoDB** Data Store.

EDUCATION

Tehran, IR   **Iran University of science and technology**   **Fall 2011 – May 2015**
- B.S.E. in Computer Engineering with Minor in Software Engineering, May 2015

SKILLS AND TOOLS

Proficient
- **Python** (**7+ Years** professional Experience); **Django** (**5+ Years**); Docker; Docker Swarm; Nginx; Git; PostgreSQL; Redis; CockroachDB; TDD; Jira; REST; CI/CD

Familiar
- Go; Perl; GIN; MongoDB; Flask; Kubernetes; Kibana; Grafana; Prometheus; ElasticSearch; HaProxy; Apache Web Server; DevOps; GraphQL

INTERESTS

Scalable Design; Clean architecture; Reverse code engineering; Work with update and new Tech stack and tools; Solve complex problem with teammates and pair-programming; Test-driven development and practices