Hamed Heidarian

https://hamed-heidarian.ir · hamedheidariann@gmail.com · (0098)9109802920

EDUCATION

University of Tehran   Tehran, Iran
BS Computer Engineering   Sep 2016 - Sep 2021

EXPERIENCE

Mahsan   Tehran, Iran
Software Engineer   Mar 2022 - Present

- Participated in the design and implementation of a data analytics software with **service-based architecture**
- Took charge of implementing many key features such as fine-grained Access control, geospatial search, and incremental histograms using technologies such as **Spring Framework, Yugabyte DB, Elasticsearch**
- Trained new developers of the team to develop the project
- Applied BDD testing using **Cucumber, Testcontainers, AssertJ**
- **Containerized the project** and provided service infrastructures such as **configured monitoring, ci pipeline and orchestration**
- Collaborated in the implementation of the data modeling module
- Researched and presented solutions to major issues like the selection of database, design of fine-grained access control in Elasticsearch, consistency in distributed systems and concurrency issues, best practices of tools, etc
- Improved my knowledge of **Agile methodologies and Spring framework ecosystem** and skill of documentation
- Contributed with other teams in the company to integrate with their products

IAIS   Tehran, Iran
Software Engineer   Jul 2019 - Dec 2021

- Added features to an e-wallet using **Play Framework, Hibernate, Postgresql and Redis** and did some infrastructure works using **Docker, K8s**, as well as some development in the **android client** and developed frontend using Angular
- Some of the features fully designed and developed by me are:
  - Campaigning and discount codes(with support for network marketing)
  - Shared accounts (accounts that divide all received money to them is between some other accounts by percentage or fixed amount) and force-invoice accounts
  - Brute force attack prevention system(using **AOP** with support for roles, unauthorized limit, etc)
  - Data warehousing and BI dashboard(using **ClickHouse and Metabase**), etc
  - Containerized the project and created K8s cluster and configurations
- Was appointed as deputy of the project's tech lead in his three months leave
- Added some features to ticket(multi-stage payment) system
- Strived for conforming to clean code and clean architecture principles
- Reduced a significant amount of code and development effort by refactoring existing codes (e.g. by using generics)
- Collaborated in the implementation of the settlement system with Bank and Shaparak
- Added many features to frontend and android client e.g. auto OTP detection as well as bug fixes
- Fixed bugs reported by customers, Revamped the invoice system, Did load testing with **Locust** etc.

SKILLS

Languages:	Java, Bash, SQL, C++, Python, JS
Technologies:	Spring Boot, Angular, Docker, Gitlab-ci, JUnit
Other:	Object-Oriented Design, Design Patterns, Concurrent and Parallel Programming

PROJECTS

Green Heart *Angular, AMCharts*   Created UI for a heart monitoring dashboard