|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | |  |  | | --- | --- | | **Mohammad Mahdi**  **Amini**  Java backend developer  [linkedin.com/in/mm7amini](http://linkedin.com/in/mm7amini)  [github.com/bmd007](http://github.com/bmd007) | [mm7amini@gmail.com](mailto:mm7amini@gmail.com)  (+46)0737748187  Kungsängsgatan 36 A  753 22 Uppsala |  |  |  |  | | --- | --- | --- | | **Skills** | | | | **Java** (SE, Spring ecosystem, JSF, JavaFX): Professional  **Reactive** systems and programming Professional  **Microservices** (Design, Tools, Patterns, Best practices): Professional  **Message/Event driven systems** (Kafka Streams): Professional  **Messaging protocols and brokers**: Semi-Professional  **Software testing**: Semi-Professional  Android: Semi-Professional  Other worth mentioning technologies which I worked with: RSocket, RabbitMQ, Flutter, Neo4J, Paillier, Drupal, RasberryPi, MQTT, AMQP |  | | | **Experiences** | |  |  |  | | --- | --- | | [**Cabonline**](https://www.cabonline.com/) | **Backend developer**  October 2018 - present | | As a backend developer I was responsible for turning (non)-functional requirements into implementation of microservices while considering scalability, extensibility and availability. Pair programming and extensive testing were part of my daily routine. Also, I always had an eye on what can be automated, upgraded and improved.  **Major contributions:**   * Development of an event-sourcing based vehicle dispatching service (using Kafka Streams) * Development of JWT based authentication system conforming to Ouath2 standard * Refactoring services with servlet stack to reactive stack * Event-Driven architecture advocate   **Technologies & Methodologies**  Elasticsearch, MongoDB, PostgreSQL, Nomad, Jenkins, Git, Consul, Gradle, Grafana, Prometheus, Zipkin, Oauth, Docker, Java 14, Spring boot, Spring cloud, Spring data, Spring web flux, Spring security, Groovy, Kafka, Kafka Streams, H2, Jira, Scrum, Pair Programming | |  |  |  | | --- | --- | | [**Irisaco**](http://www.irisaco.com/en) | **Internship** 2017 Summer | | Irisa produces information and automation systems for major players in Iran metal industry. In Irisa I was part of a team testing and evaluating Oracle technologies like ADF for enterprise software development. Also, I was advocating and researching on usage of containers as the deliverable artifact for Java application in Irisa. I compiled a comprehensive pamphlet for programmers on how to use docker as a way of shiping software. | |  |  |  | | --- | --- | | [**Isfahan University of Technology**](http://english.iut.ac.ir/) | **Teaching Assistant** Sep 2017 – Jan 2018 | | **Courses**: Java Web Applications, IT engineering  **Topics I covered**: Dependency injection framework (Spring), Hibernate and ORM idea, Implementation of web application UI by JSP and JSF, Design and implementation of HTTP REST end points, Soup web service implementation, (de)serialization to/from JSON and XML | | | |
| |  | | --- | | **About me** | |  | | I am a backend developer with passion for innovation, customer satisfaction and constant improvement. I have a philosophical approach to software architecture which helps me narrow down complex challenges into simple questions. Despite my interest in technology, understanding (non)functional user requirements is always my highest priority. It’s about humans after all, not technology.  I’m a very good observer and dedicated seeker who takes most of asking right questions.  My professional experience in volleyball, makes me a reliable team player. A volleyball team is cross functional, just like my favorite software development teams. |  |  | | --- | | **Additional info** | | **Languages:**   * **English** (Fluent) (IELTS 7/9) * **Persian** (Native)   **Recommendation and reference:**   * **Please check my** [**LinkedIn profile**](http://linkedin.com/in/mm7amini) | |  |
|  | | |

|  |
| --- |
| **Education** |
|  |

**Master of Computer Science**

**Uppsala University, Sweden**

September 2018 - present

**Thesis**: [Stateful-Geofencing-Faas](https://github.com/bmd007/statefull-geofencing-faas)

A stream processing and microservices based system that allows high scale low latency geofencing. This platform is an implementation of stateful-function-as-service idea.

**Supervisor**: [Prof. Salman Toor](https://katalog.uu.se/profile/?id=N7-398)

**Bachelor of Information Technology Engineering**

**Isfahan University of Technology, Iran**

September 2013 - July 2018

**Thesis**: Smart grid consumption optimization without compromising consumers’ privacy (using homomorphic cryptosystem).

**Supervisor**: [Prof. Mohammad Hossein Manshaei](http://www.manshaei.org/)