

# Amirsam Bahador

Java Specialist | Senior Java Full Stack Architect | Team Lead | Consultant | Instructor

Location: Dubai, UAE - Tehran, IR

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## PROFILE

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Highly experienced Java specialist with over 20 years of expertise in analyzing, designing, leading, and developing desktop and web applications. Demonstrated leadership in overseeing teams of up to 20 members and consistently delivering successful projects. Proficient in teaching and lecturing Java, Oracle, AI, software engineering, and security courses at University of Tehran and Sharif University of Technology. Author of Information Technology books and recognized for architecting national projects, specializing in implementing resilient infrastructures and frameworks for complex mega software projects. Notably, credited as the architect of the top-ranked Shine framework on Source Forge in 2008.

## SKILLS

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- **Back End Development:** Java (incl. Java EE), Spring Framework (incl. Spring Boot, Spring Cloud Native), Hibernate, Microservices Architecture, Apache Kafka, CQRS, OSGi, Event Driven, Keycloak, Java Security, My Batis
- **Data Stack:** MongoDB, Elasticsearch, Logstash, Kibana (ELK Stack), Oracle, SQL, PL-SQL
- **AI Development:** Neural Network, Machine Learning, Data Mining, Computer Vision
- **Miscellaneous:** Amazon AWS, Docker (incl. Docker Engine, Docker Compose), Git, Jenkins, Maven
- **Front End Development:** JavaScript, Vue.js (incl. Nuxt.js)
- **Soft Skills:** Leadership, Communication, Teamwork, Problem Solving, Time Management, Creativity, Decision Making, Teaching

## EXPERIENCE

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**Research Institute for Energy Management (University Of Tehran)** Tehran, IR  
*Team Lead, Sr. Java Full Stack Architect, Visiting Professor* 2014 – 2024

- Orchestrated Java architecture for the National Mega Projects Framework at Institute for International Energy Studies, resulting in a 6% boost in production speed and a 10% increase in development pace.
- Spearheaded ERP Infrastructure design and development, reducing code volume by 25% and accelerating project development speed by 25%.
- Distinguished lecturer at the University of Tehran Java School, mentoring over 4000 students across Java SE, Java EE, Oracle, AI, and Security Courses.

## **Java2 Open-Source**

Dubai, UAE – Tehran, IR

*Team Lead, Sr. Full Stack Developer, CTO*

2004 – 2024

- Led development of the Shine framework, top-ranked on Source Forge in 2008.
- Developed J2OS Virtual Human, providing personalized AI services to organizational users.
- Led development of J Cloud Control Software, improving developer productivity by 10% and object transfer speed by 8%.
- Freelance Experience: Successfully completed projects across various domains including Document Management System (DMS), Clinic Management System, Organization Web Portals, Reservation, E-Office, Queue Machine, Learning Management System (LMS).
- Provided Java architecture design and consultancy services to numerous organizations and banks, including the Iran Meteorological Organization, Air Traffic Control at Mehrabad Airport, Mellat Bank, Information Technology Services Company at the Central Bank, Ministry of Health and...
- Java architecture, leadership of the software production team for aircraft management and maintenance system.

## **ACADEMIC**

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- University of Tehran RIEMP Visiting Professor. (RIEMP, University of Tehran, IR, 2014)
- Sharif University AICTC Part-Time Professor. (LAITEC, Sharif University, IR, 2012)
- Master of Application Engineering (Sharif University of Technology, IR, 2010)

## **PUBLICATIONS**

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- National Mega Projects Java Framework Book. (IIES, IR, 2016)
- Oracle University Reference Book. (University of Applied Science and Technology, IR, 2010)
- Shine Java EE Framework E-Book. (Java2 Open-Source Organization, IR, 2009)
- Java Technologies, Frameworks and JSRs Book. (Kanon Nashre Oloom, IR, 2008)

## **HONORS & AWARDS**

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- Founder of Java Field Studies at the University. (UAST, IR)
- The Top Researcher at the University. (UAST, IR)
- Interviews and Documentary of his life. (TV1 Channel, TV2 Channel and TV4 Channel, IR)
- Certificate of Appreciation for Speaking at the Annual National Conference of the Computer Society of Iran. (Sharif University of Technology, IR)