

Sahar Ramezani Jolfaei

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in LinkedIn

GitHub

Resume



Employment History

- Apr 2024 – Oct 2024 **Oracle Developer, IRISA Co., Iran**
Engineered core modules of financial systems using Oracle Forms and Reports. Handled logic-layer improvements, custom report pipelines, and ERP-related feature extensions across the codebase.
- Sep 2021 – Feb 2024 **Project Management Section Leader, MyData Co., Iran**
Began as a junior engineer and progressed to leading cross-functional teams. Shaped the architecture and execution of enterprise platforms—including a Tender Offer System for the oil sector and a Grant Request System for the Ministry of Science. Directed technical planning and guided onboarding of new engineers.

Education

- 2024 – present **M.Sc. Computer Science, Università degli Studi di Genova**
GPA: 30/30.
- 2019 – 2024 **B.Sc. Computer Engineering, Isfahan University of Technology**
Thesis: *Design and Implementation of a Project Management System*
Developed a full-scale project management platform. The solution was deployed in real-world industry settings and sold commercially. Responsibilities included system architecture, and coding across the stack.

Research Publications


Journal Articles

- 1 S. R. Jolfaei and S. K. H. Abadi, “Application of the brain drain optimization algorithm to the n-queens problem,” *arXiv preprint arXiv:2504.18953*, 2025. DOI: 10.48550/arXiv.2504.18953. arXiv: 2504.18953 [cs.NE].







Skills

- Languages **Fluent in English (7.5 IELTS)**
Basic Italian (A2 level)
- Research **LaTeX, Overleaf, EndNote, Microsoft Word**
- Coding **Kotlin, Advanced Javascript (for IoT), Python, C#, C++, C, Verilog**
- Databases **SQL, PL/SQL, Microsoft SQL Server, Oracle Database**
- AI **Machine Learning Techniques, Computer Vision, Deep Learning**
- Web Dev **HTML5, CSS3, JavaScript, jQuery, Sass, Tailwind, Axure RP (UI prototyping)**

Skills (continued)











Tools & Platforms  Selenium, GitHub, ThingWorx, Jupyter Notebook, GitHub Actions, Windows Forms, Git, Oracle Forms and Reports, Visual Studio, Visual Studio Code, Android Studio

Projects

Childcare Assistant App	 Developed an Android application to support mothers in managing their children's health. Features included illness-related guidance, dosage calculators, symptom assessments, and advice on when to seek medical attention.
Grant Management Platform	 Designed, implemented, and maintained a comprehensive grant system for Iran's Ministry of Science. Streamlined workflows and enabled dynamic reporting using C#, SQL, CSS, and JavaScript.
Tender Management System	 Engineered a secure tendering platform for an Iranian oil refinery to handle complex trade processes. Prioritized robustness and data confidentiality.
Meeting Scheduler	 Created a scheduling tool with automated reminders, note-taking, multi-role access, and archival logging for organizational transparency.
Client Ticket Portal	 Built a request tracking system with deadline alerts for external stakeholders. Enabled seamless coordination between customers and internal teams.
Project Management Suite	 Architected a full-scale project management tool featuring dashboards, workflow monitoring, and task delegation capabilities.





Miscellaneous Experience

Certification

Mar 2023	 Project Management: Tools, Approaches, Behavioral Skills , UniMi.
Jan 2023	 Project Management: Life Cycle and Planning , UniMi.
May 2025	 Advanced Algorithmic Thinking and Data Structure , Quera.
Feb 2023	 Linux Task-Oriented Course , Quera.
Dec 2022	 Version Control with Git (Task-Oriented) , Quera.
Feb 2024	 Front-End Web Development (Project-Oriented) , Quera.
Dec 2023	 Microsoft Project 2020 .
Nov 2023	 SAP Professional Fundamentals , SAP
Jan 2024	 Introduction to Cloud Computing , IBM.
Jul 2023	 DevOps Overview , IBM.

Miscellaneous Experience (continued)

Awards and Achievements

- 2016  **Top Performer**, Isfahan Mathematics House computer science bootcamp.
- 2014  **Winner**, Book reading competition in Isfahan's first district.
- 2021  **2nd Place**, Chess competition at Isfahan University of Technology.
- 2012 - 2014  **1st and 2nd Place**, Physical readiness competitions in Isfahan's first district and Art University of Isfahan.