Alireza Sadeghi-Nasab
Software PhD Candidate

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As a prolific researcher with expertise in Big Data Processing, Privacy-Preserving and Software Engineering, I am seeking to join a dynamic research team that is at the forefront of cutting-edge research. My experience in industry and academia positions me to bring a unique perspective on innovative solutions that address critical and complex issues these fields. With an insatiable desire to ask, answer, and solve complex research problems, I am confident that I can make a valuable contribution to any research team.

SKILLS

Soft Skills	Communication, Problem-Solving, Team Work, Time Management, Leadership
Programming Languages	Swift, Python, Objective-C, SQL, Java, Scala, MATLAB, VHDL
Industry Knowledge	Research, Product Delivery, Team Management, Software Development/Testing, Web Scraping
Tools	Apache Flink, Qt, Git, CPN-Tools, Visual Paradigm, Prom, UPPAAL, ANTLR
Languages	Persian (Native), English (working proficiency), Azerbaijani Turkish (limited)

EDUCATION

PhD in Computer Engineering, Software, Arak University   2020 — Present
- Supervisor: Dr. Mohsen Rahmani
- Thesis: Proposing an Anonymization Strategy Based on Relaxed Functional Dependencies

Master of Computer Engineering, Software, Iran University of Science & Technology   2018 — 2020
- Supervisor: Dr. Mohammad Abdollahi Azgomi
- Thesis: A Scalable and Utility-Based Technique for Big Data Stream Anonymization
- Entered via direct admission (exceptional talents program)

Bachelor of Computer Engineering, Software, Iran University of Science & Technology   2014 — 2018
- Supervisor: Dr. Mohammad Abdollahi Azgomi
- Thesis: Study on Process Mining Techniques and Tools and Using it in Analysis of Security Logs

Diploma, Mathematics & Physics, Allameh Helli (2) High School   2010 — 2014
- The high school is part of NODET (National Organization for Development of Exceptional Talents)

PUBLICATIONS

Title: Apache Flink and clustering-based framework for fast anonymization of IoT stream data   2023
- Alireza Sadeghi-Nasab, Hossein Ghaffarian, and Mohsen Rahmani
- Journal of Intelligent Systems with Applications, Elsevier

Title: A Comprehensive Review on Security Flaws of Hashing Algorithms   2022
- Alireza Sadeghi-Nasab, and Vahid Rafe
- Journal of Computer Virology and Hacking Techniques, Springer

Title: A Deep Incremental Learning Framework for Predicting Covid-19 by using Incoming Stream X-ray Images   2022
- Alireza Sadeghi-Nasab, and Mohammad-Hossein Shakoor
- 7th International Conference on Technology Development in Iranian Electrical Engineering

Title: A New Fast Framework for Anonymizing IoT Stream Data   2021
- Alireza Sadeghi-Nasab, and Hossein Ghaffarian
- 5th International Conference on Internet of Things and Applications (IoT), Isfahan, Iran
- won best paper award

TECHNICAL EXPERIENCE

Product Manager, Full Time   Feb 2024 — Present (1 month)
Gandom Software Group [Link]   *Tehran, Iran*

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Mid Product Owner, Full Time   Oct 2023 — Feb 2024 (5 months)
MyDigipay | Digikala Group [Link]   *Tehran, Iran*

- Managed product initiatives for the Credit Line (Loan & BNPL) team, directly impacting 65% of the company's revenue stream
- Spearheaded the Q4 roadmap process, leveraging a blended impact-effort and weighted scoring methodology to balance business needs with technical constraints
- Collaborated closely with Digikala, the biggest e-commerce platform in MENA, on the "Cheque Installment Sale" mega project, defining user stories, ensuring seamless alignment and successful execution

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Product Owner, Full Time   Mar 2020 — Oct 2023 (3 years, 8 months)
Gandom Software Group [Link]   *Tehran, Iran*

- Collaborated with Asa Co. and Agah brokerage, one of the best (2nd place in the Federation of Euro-Asian Stock Exchanges (FEAS) Award 2021) and largest brokers (with nearly 7 million customers) in Iran stock exchange market
- Acted as the liaison cross-functionally with product, engineering, design, marketing, test (QA), security, and support teams to identify and deliver new product solutions, reducing the time-to-market for new product releases by 15%
- Performed quality assurance testing on product features, analyze feedback and user data, and create user stories to validate action plans and product enhancements, resulting in a 20% increase in user satisfaction
- Drove the development of product roadmaps in alignment with Agile methodologies, achieving 95% on-time delivery rate for product releases
- Released multiple applications: AsaTrader, Agah Invest, Fastbourse, Agah Amouzesh, and Banksa with a total of nearly 1.2M monthly active users

Scrum Master, Full Time   Feb 2019 — Mar 2020 (1 year, 2 months)
Gandom Software Group [Link]   *Tehran, Iran*

- Collaborated with Asa Co. and Agah brokerage, one of the best and largest brokers in Iran stock exchange market
- Managed cross-functional stakeholder teams like product, engineering, design, and test (QA) teams to identify, communicate, and resolve inter-team risks and impediments, increasing team productivity by 30%
- Managed core Agile ceremonies in team environments: sprint planning, daily stand-up, sprint review, and sprint retrospectives
- Released multiple applications: AsaTrader, and Fastbourse with a total of nearly 1.1M monthly active users

iOS Developer, Full Time   Jul 2016 — Feb 2019 (2 years, 8 months)
Gandom Software Group [Link]   *Tehran, Iran*

- Collaborated with Asa Co. [Link] and Agah broker [Link], one of the best and largest brokers in Iran stock exchange market
- Performed technical designs and implementation of 4+ iOS applications, achieving a 97% crash-free release rate
- Developed and executed product roadmaps using Agile methodology, reducing the number of post-release defects by 20%
- Released multiple applications: AsaTrader, Fastbourse, Ayne Baghal, and Arbaeen with a total of nearly 1M monthly active users

AWARDS

Best Paper Award   2021
- Got best paper award for the paper entitled: A New Fast Framework for Anonymizing IoT Stream Data in 5th International Conference on Internet of Things and Its Application (IoT 2021) held at University of Isfahan.

MSc. Direct Admission   2018
- Got direct admission from bachelor to master program in Iran University of Science & Technology (exceptional talents program).

Best Mentor Award   2018
- Got best mentor award in Chillin Wars challenge which is an AI challenge held in Iran University of Science & Technology.

BSc. Admission   2014
- Ranked 526th among more than 220,000 participants in National Entrance Exam of Universities (Konkour).

National Olympiad Exam Admission   2012
- Got acceptance in the first stage of national Olympiad exam in chemistry, physics and literary fields.

High School Education   2010-2014
- Got acceptance and study in Allameh Helli 2 high school which is part of NODET (National Organization for Development of Exceptional Talents)

VOLUNTEERING ACTIVITIES

Practical Training of Working with Git Course (in Quera) [Link] - Content Producer   Spring 2021
Chillin Wars (AI challenge) [Link] - Sponsorship Collaboration   Winter 2020
Chillin Wars (AI challenge) [Link] - Head Mentor   Fall 2019
Yarigaran Sharif Club (Charity for child labourers) [Link] - Mathematics & Geometry Teacher   2018 — 2019
Chillin Wars (AI challenge) [Link] - Mentor   Fall 2018