Mohammadali (Mo) Rahnama

Experienced Computer Engineer with Strong Testing & Automation Background

✉ mo@rahnama.uk
📞 +1(506)400-0402
in LinkedIn
○ GitHub

PROFILE

Dedicated computer engineer with extensive testing and automation experience. Educated to a variety of levels in computer engineering/science. During his tenure as a QA analyst at Siemens, he gained substantial knowledge in software quality assurance and development, and he is now a certified SAFe® 5 practitioner. Has worked as a project manager and is conversant with Agile methodology and practices. Strong analytical, evaluative, and perceptual skills; excellent communication and problem-solving capacities; exceptional speed and accuracy in spotting defects and faults.

SKILLS

Software Testing

Tools: Cypress, Selenium, PyTest, JUnit, TestNG.

Languages: JavaScript, Python, Java.

Database Management

Tools: MySQL, MongoDB, Amazon Redshift, PostgreSQL, MySQL, Oracle, Redis.

Languages: SQL, NoSQL.

Project Management

Tools: Trello, Jira, GitHub Projects.

Web Development

Tools: HTML, CSS, JavaScript, React, Redux, Git, GitHub, Heroku, Node.js, Express.js, Bootstrap, Material UI.

Languages: JavaScript, HTML, CSS.

Data Analysis & Visualization

Tools: R, Python, Pandas, Numpy, Matplotlib, Seaborn, Plotly, Tableau.

Languages: Python.

Cloud Computing

Tools: AWS (Amazon Web Services), Google Cloud Platform, Microsoft Azure.

EXPERIENCE

Siemens Canada Limited, Fredericton, New Brunswick, Canada
Software Tester   09/2021 - 09/2022

Responsibilities

• Developed effective strategies and test plans by Collaborating with developers, team Leads and the product owner.

• Executed test cases (both manual and automated) and analyzed the results.

• Updated and evaluated product documentation according to the requirements, test results and technical specifications.

• Found and reported bugs and errors to the development team, team leads and managers.

• Paired with developers in the bug troubleshooting process, leading to timely/speedy/quick determination of root causes.

• Conducted thorough pre-release and general availability build testing to ensure software met the highest quality standards.

Achievements

• Worked with cross-functional teams to ensure quality throughout the software development lifecycle.

• Received a letter of recognition for great performance during the co-op semesters.

• Completed SAFe training provided to Siemens employees and obtained a Certified SAFe® 5 practitioner certificate.

P.A.G Fine Art Reproduction / Chop30 Online Printing Services, Kerman, Iran
Founder   10/2017 - 10/2020

Responsibilities

• Developed and launched an online printing website focused on digital printing, offering a wide range of services.

• Established an online art gallery, enabling customers to conveniently browse and purchase high-quality artworks.

• Persistently and proactively tackled business and unexpected obstacles, leveraging hard work and problem-solving skills.

Achievements

• Successfully registered a unique brand by the end of 2018, establishing a strong market presence.

• Effectively negotiated multiple contracts across various phases of the business, including marketplace, production, and delivery.

• Fostered collaboration with major organizations such as Digikala and Bamilo, expanding market reach and business opportunities.

Shahid Bahonar University of Kerman, Kerman, Iran
Computer Laboratory Supervisor   01/2017 - 01/2018

Responsibilities

• Supervised and maintained computer lab equipment, ensuring optimal performance and reliability.

• Ensured seamless operation of all computer lab equipment and communicated technical issues to relevant personnel.

• Supported students and faculty with computer applications and technical issues by providing guidance.

• Executed hardware and software troubleshooting to diagnose and resolve technical problems in a timely manner.

Achievements

• Received positive feedback from students and faculty for providing support and guidance in resolving technical issues.

• Contributed to the development of an updated computer lab user guide, improving overall user and lab efficiency.

Sepehr Rayan Kavir, Kerman, Iran
Computer Repair Technician   06/2015 - 12/2015

Responsibilities

• Adapted to working efficiently within a professional team environment, contributing to a positive atmosphere.

• Kept up-to-date with the latest technology trends and advancements to improve troubleshooting techniques.

• Communicated with clients to understand their needs and provide clear explanations of repair processes and solutions.

Achievements

• Successfully repaired and restored various computer systems, resulting in reduced downtime and increased productivity.

• Contributed to knowledge sharing by participating in training sessions on emerging technology trends.

PROJECTS

On-call Tracking System
University of New Brunswick   09/2022 - 01/2023

An actual project in group 10 students. As the Product Owner for this project, I applied what I had learned about Agile so far from my career and schooling and implemented it for our team. I would have numerous meetings with the client to figure out the user stories and continue to generate stories, add acceptance tests to the stories, and maintain the backlog so that the team could have a clear vision for the project and be able to go forward.

Kerwords: JavaScript, Node.js, React, Git, Jira, Confluence

Access project

Database vs Data Warehouse, A Cloud-based Benchmarking Platform for IoT Big Data
University of New Brunswick   01/2021 - 05/2021

This project offered an extendable cloud-based benchmarking platform for IoT data warehousing. We examine PostgreSQL, MongoDB, and Amazon Redshift Data Warehouse performance on IoT data injection, transactional, and analytical activities using the framework.

Kerwords: MongoDB, Amazon Redshift, PostgreSQL, AWS

Access project

Is there a correlation between life expectancy and Gross Domestic Product (GDP) per capita of countries in the UN?
University of Hertfordshire   09/2020 - 01/2021

In this study we used the statistical analysis capabilities of the R programming language to examine data gathered by Deeksha Russell, Duan Wang, and Kumar Rajarshi from the World Health Organization and the United Nations. We analysed the correlation between the GDP per capita and life expectancy in 193 UN member states.

Kerwords: R, Trello, Bitbucket

Access project

EDUCATION

Computer Science, M.Sc. — GPA: A-
University of New Brunswick — Fredericton, New Brunswick, Canada   01/2021 - 01/2023

Advanced Computer Science, Postgraduate Certificate — GPA: 84%
University of Hertfordshire — Hatfield, Hertfordshire, United Kingdom   09/2020 - 01/2021

Computer Architecture Engineering, M.Sc. — GPA: 93%
Shahid Bahonar University of Kerman — Kerman, Kerman, Iran   09/2016 - 01/2019

Software Engineering, B.Sc. — GPA: 77%
Shahid Bahonar University of Kerman — Kerman, Kerman, Iran   09/2012 - 09/2016

AWARDS

Letter of Recognition, Co-op Student — 2022
Siemens Canada Limited

Dean's Scholarship for Educational Excellence — 2020
University of Hertfordshire

Letter of Acknowledgment, Third Best Student of the Year — 2019
Shahid Bahonar University of Kerman

CERTIFICATES

Certified SAFe® 5 Practitioner
Scaled Agile, Inc.
01/2022 - 01/2023
Credential ID 51657319-0819

Agile Testing
LinkedIn
08/2021 - Present

Pilot Certificate – Small Remotely Piloted Aircraft (VLOS)
Transport Canada
02/2022 - Present
Credential ID PC2205000163