# Mohammadali Rahnama

## Computer Engineer with Strong Testing & Automation Background

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## 👤 Profile

Dedicated computer engineer with extensive testing and automation experience. Educated in various levels of computer engineering and science. Experienced in working with Agile methodology and practices, with a strong background in software quality assurance and development. Exceptional analytical, evaluative, and perceptual skills, with excellent communication and problem-solving abilities.

## 💼 Experience

### Quality Assurance Specialist

#### Siemens Canada Limited

📅 06/2023 - Present  ⚲ Fredericton, New Brunswick, Canada

**Responsibilities**

- Creating automated test scripts using Cypress test automation tools to perform functional, regression, and performance testing.
- Collaborating with QA and development teams to devise comprehensive test plans and strategies that align with project requirements and timelines.
- Creating and maintaining automated test cases in test management tools to ensure complete test coverage and traceability of test results.

**Achievements**

- Effectively Collaborating with geographically dispersed teams, following SAFe methodologies, to ensure seamless communication, streamline processes, and deliver high-quality software products on time and within budget.

### Software Tester

#### Siemens Canada Limited

📅 09/2021 - 09/2022  ⚲ Fredericton, New Brunswick, Canada

**Responsibilities**

- Developed strategy and test planning in collaboration with team leads and developers, which improved efficiency.
- Executed and analyzed 500+ manual and automated test cases, leading to swift rectification of software issues.
- Updated and evaluated 100+ product documentations, ensuring precision and relevance.
- Reported 50+ software bugs and errors promptly to the development team, minimizing potential software malfunctions.
- Worked with developers in 20+ bug troubleshooting cases, expediting root cause analysis.
- Conducted rigorous pre-release testing, ensuring the software met high-quality standards.

**Achievements**

- Participated in cross-functional teams to maintain quality throughout the software development lifecycle.
- Recognized for outstanding performance during co-op semesters with a letter of recognition.
- Completed SAFe training at Siemens, leading to a Certified SAFe® 5 Practitioner certificate.

### Founder (Web/Graphic Designer)

#### P.A.G Fine Art Reproduction Services / Chop30 Online Printing Services

📅 10/2017 - 10/2020  ⚲ Kerman, Kerman, Iran

**Responsibilities**

- Developed and launched an online printing website, resulting in a comprehensive online platform that offered a wide range of digital printing services.
- Established an online art gallery, enabling easy browsing and purchasing experience for 1000+ high-quality artworks.
- Overcame various business obstacles using a proactive and persistent approach, leveraging problem-solving skills for effective solutions.
- Designed responsive website layouts for both businesses, ensuring seamless user experiences across various devices.
- Created 100+ visual elements, such as logos and images, which contributed to the unique and attractive appearance of the websites.
- Maintained and updated the content management systems of the websites, ensuring they remained current and user-friendly.

**Achievements**

- Registered a unique brand by 2018, establishing a strong market presence. 🔗 [Brand ID 139750140001060310](#)
- Negotiated multiple contracts across various business phases, ensuring fruitful collaborations for the marketplace and online gallery.
- Achieved consistent revenue growth by delivering exceptional customer experiences and high-quality products, resulting in a 25% expansion of both businesses.

# ⬚ 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.

## 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: Pandas, Numpy, Matplotlib, Seaborn, Plotly, Tableau, RStudio.
Languages: Python, R.

## Cloud Computing

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

## Project Management

Tools: Trello, Jira, GitHub Projects.

# ⬚ Projects

## On-call Tracking System

### University of New Brunswick

📅 09/2022 - 01/2023

In this project, I was tasked with serving as the Product Owner in a collaborative team of 10 students. To ensure successful delivery of the project, I held 20+ meetings with the client to identify user stories, generated additional stories and added acceptance tests. I maintained the backlog to provide a clear vision for the team, which resulted in timely project progress.

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

🔗 Access project  🔗 Access documentation

## Database vs Data Warehouse, A Cloud-based Benchmarking Platform for IoT Big Data

### University of New Brunswick

📅 01/2021 - 05/2021

In this project, we were tasked with creating an extensible cloud-based benchmarking platform for IoT data warehousing. I was part of the team that evaluated the performance of PostgreSQL, MongoDB, and Amazon Redshift Data Warehouse on IoT data injection, transactional, and analytical activities using the platform. We successfully accomplished the project objective by creating an effective benchmarking platform that produced reliable data for analysis.

Keywords: MongoDB, Amazon Redshift, PostgreSQL, Apache Kafka, AWS

🔗 Access project  🔗 Access documentation

## 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, our group was tasked with using the statistical analysis capabilities of the R programming language to examine data collected by Deeksha Russell, Duan Wang, and Kumar Rajarshi from the World Health Organization and the United Nations. We analyzed the correlation between GDP per capita and life expectancy for 193 UN member states. By leveraging our knowledge of R and statistical analysis, we were able to accurately analyze the data and draw meaningful conclusions.

Keywords: R, Trello, Bitbucket

🔗 Access project  🔗 Access documentation

# 🎓 Education

## Master of Computer Science by Coursework

### University of New Brunswick

📅 2021 - 2023  📍 Fredericton, New Brunswick, Canada

🔗 Access documentation

## Master of Computer Architecture Engineering

### Shahid Bahonar University of Kerman

📅 2016 - 2019  📍 Kerman, Kerman, Iran

🔗 Access documentation

## Postgraduate Certificate of Advanced Computer Science

### University of Hertfordshire

📅 2020 - 2021  📍 Hatfield, Hertfordshire, United Kingdom

🔗 [Access documentation](#)

## 🏵 Certifications

- 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](#)

## Bachelor of Software Engineering

### Shahid Bahonar University of Kerman

📅 2012 - 2016  📍 Kerman, Kerman, Iran

🔗 [Access documentation](#)

## 🌐 Languages

- English: Full professional proficiency
- Persian: Native proficiency
- Arabic: Elementary proficiency