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.

📊 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.

💼 Experience

Software Tester

Siemens Canada Limited

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

Responsibilities

- Tasked with strategy development and test planning in collaboration with team leads and developers, my contributions improved efficiency.
- Executed and analyzed 500+ manual and automated test cases, leading to swift rectification of software issues.
- Responsible for updating and evaluating 100+ product documentation, 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.
- Successfully 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

- Tasked with the development and launch of 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 an easy browsing and purchasing experience for 1000+ high-quality artworks.
- Faced with various business obstacles, my proactive and persistent approach leveraged problem-solving skills for effective solutions.
- Tasked with the design of responsive website layouts for both businesses, I ensured 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 that they remained current and user-friendly.

Achievements

- Successfully registered a unique brand by 2018, establishing a strong market presence. 🔗 Brand ID 139750140001060310
- I effectively negotiated multiple contracts across various business phases, ensuring fruitful collaborations for the marketplace and online gallery.
- Through delivering exceptional customer experiences and high-quality products, I achieved consistent revenue growth, resulting in a 25% expansion of both businesses.

💻 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

Master of Computer Architecture Engineering

Shahid Bahonar University of Kerman

📆 2016 - 2019   📍 Kerman, Kerman, Iran

Postgraduate Certificate of Advanced Computer Science

University of Hertfordshire

📆 2020 - 2021   📍 Hatfield, Hertfordshire, United Kingdom

Bachelor of Software Engineering

Shahid Bahonar University of Kerman

📆 2012 - 2016   📍 Kerman, Kerman, Iran

✳️ 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

🌐 Languages

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