Alexandru B.
Architect AI & Automation Delivery Lead / Architect

SUMMARY

- Technical Architect with 11+ years of extensive expertise across RPA, AI, cloud computing, and data-driven solutions. - Extensive experience designing end-to-end systems focusing on modularity, scalability, and integration with existing enterprise technologies. - Advanced proficiency in UiPath, Power Platform, and low-code/no-code tools such as Zapier, Kubeark (iPaaS), Flowise, and Druid.ai, enabling the delivery of streamlined automation solutions. - Skilled in OpenAI, Azure AI, Llama, and other generative AI platforms to design intelligent systems such as chatbots, predictive analytics, and automated decision-making tools. - Comprehensive experience with Azure, AWS, and Google Cloud Platform, developing and managing robust, scalable infrastructure solutions. Expertise in DevOps tools such as Azure DevOps, GitHub, and Linux for CI/CD, infrastructure as code, and cloud deployment. - Proficient in SQL, Python, Databricks, Power BI, and Tableau, building data pipelines, ETL processes, and interactive dashboards for actionable insights. - Strong programming background in Java, Angular, Python, and SQL, with experience in Spring and RESTful API development.

TECHNICAL SKILLS

Main Technical Skills	RPA, UIPath, Java
Programming Languages	Java, JavaScript, Python
JavaScript Frameworks	Angular
AI & Machine Learning	Azure AI, Flowise, LLaMA, OpenAI
Java Libraries and Tools	Java EE, JMS, MyBatis
Java Frameworks	Spring
Data Analysis and Visualization Technologies	Databricks, Power BI, Tableau, UIPath
Databases & Management Systems / ORM	IBM DB2, SQL
Cloud Platforms, Services & Computing	AWS, Azure, GCP, Zapier
Azure Cloud Services	Azure AI, Azure DevOps, Databricks
Deployment, CI/CD & Administration	Ansible
Version Control	GitHub
Platforms	IBM BPM, Microsoft Power Platform, RPA, UIPath

Blockchain and Decentralized Software	ICO
Operating Systems	Linux
Logging and Monitoring	Tivoli Netcool Omnibus
UiPath	UIPath
Web/App Servers, Middleware	Windows Server
Other Technical Skills	AIX 6, druid.ai, ICMwO, ITM, kubeark, OCP, OpenStack, Red Hat Linux, SUSE, Websphere

EXPERIENCE

AI & Automation Delivery Lead / Architect, Contractor

January 2024 – Present

In my role as an AI and Automation Delivery Manager / Architect, I focused on bridging the gap between technology and business by:

- Collaborated with a global clientele to understand their unique business challenges. Provided tailored AI and automation solutions to meet diverse industry needs.
- Led initiatives to assess, assist, and deliver complex AI and automation projects. Utilized mature technologies to develop custom solutions that drive efficiency and innovation.
- Translated advanced AI and automation technologies into practical business applications. Facilitated effective communication between technical teams and business stakeholders to ensure alignment and success.
- Leveraged established technologies to create reliable and scalable AI solutions. Ensured that all developments were tailored to enhance operational performance and deliver measurable results.

Recent projects:

1. **PPC Romania** - legal assistant - AI agent - built an AI agent to help their customer support teams respond to queries about Romanian legislation.
2. **Momentus real estate group (Dallas, Texas, US)** - automate data gathering and built a web platform for Sales Agents
3. **Bredent Group** - custom CRM integrated with different accounting software based on country (Germany, Hungary, Romania)
4. **CEC bank** - a fully automated bank branch - developed a PoC for a self-service bank.

Automation Platform Lead, British American Tobacco

November 2022 – December 2023

As an Automation Platform Lead and Solutions Architect, I led a team with a strong emphasis on three key areas:

- Incorporated design thinking methodologies to ensure our automation and AI initiatives were efficient, scalable, and user-centric. Developed standards that promoted consistency and quality across all projects.

- Leveraged my expertise in solution architecture to provide expert support for UiPath products. Drove AI initiatives, designing and optimizing solutions that addressed complex business challenges through the integration of artificial intelligence.
- Actively advocated for the adoption and benefits of Robotic Process Automation (RPA) and AI within the organization. Facilitated monthly Center of Excellence (CoE) meetings. Presented new UiPath features and AI advancements to keep the team updated and aligned with our strategic goals.

Automation Solutions Architect, Tquila Automation (TQA Solutions)

June 2020 - December 2022

As an Automation Solutions Architect, I specialized in UiPath RPA technology, excelling in designing and implementing automation solutions.

My contributions included:

- Meticulously assessed project requirements, allocated resources effectively, and ensured efficient project planning within defined sprints.
- Provided tailored technical solutions, precise effort estimations, and strategic delivery plans, playing a pivotal role in securing new business opportunities.
- Guided and mentored a team, ensuring on-time, on-budget delivery of high-quality solutions.
- My commitment to UiPath RPA technology delivered exceptional results for a major pharmaceutical client in Switzerland, solidifying our position as a trusted digital transformation partner.

Senior Automation Consultant, RPABox

December 2018 - May 2020

As a Senior RPA Developer, I was responsible for designing and implementing automation solutions to meet business requirements.

My contributions included:

- Developed and configured automation processes based on technical design documents. Coded complex automation and reusable components, ensuring efficiency and maintainability.
- Enforced coding standards and best practices. Conducted unit testing and peer reviews to ensure high-quality deliverables. Maintained comprehensive documentation for all automation processes.
- Collaborated with test teams to identify and resolve bugs during testing phases. Assisted with RPA solution administration and deployment.
- Mentored junior developers and performed code reviews to enhance team skills. Managed small programs and projects, ensuring timely and successful delivery.

Cloud Product Development Architect, NTT Data Services, Romania

September 2017 - November 2018

As a Cloud Architect, I collaborated with product and solution teams to design and develop end-to-end solutions and reference architectures. These architectures comprised leading-edge technologies in automation/orchestration, virtualization, microservices, DevOps, and real-time analytics.

My contributions included:

- Developed innovative cloud solutions from the virtualization layer up through software-defined and cloud management platform stacks. Utilized public cloud services, container technologies, DevOps toolsets like Ansible, and APIs.
- Managed modernization projects for both small and large-scale environments. Enhanced efficiency and scalability by updating applications and infrastructure with the latest technologies.
- Conducted detailed application and infrastructure discovery sessions. Led design and demo workshops with customers, providing hands-on demonstrations of products and solutions. Worked iteratively with customers to refine designs and perform rapid customization and prototyping as needed.
- Participated in defining and improving the underlying technologies of cloud service offerings. Ensured that services met market demands and leveraged the latest technological advancements.
- Secured early customer engagements and Proof-of-Concept (POC) opportunities. Developed Scopes of Work (SoW) with customers to outline project deliverables and expectations.

Cloud Engineer, IBM, Romania

March 2013 - August 2017

During my tenure at IBM Romania from March 2013 to August 2017, I held various roles that spanned diverse aspects of the IT field:

- **Backend Java Developer (March 2017 - September 2017)**: Created and developed informational systems, databases, and software applications. Utilized technologies such as Java EE, Spring, JMS, and MyBatis.
- **Cloud Engineer (December 2014 - March 2017)**: Developed cloud portal offerings for customers, administrators, and sales teams. Proficient in technologies like OpenStack, ICMwO, ICO, OCP, Java, JavaScript, IBM BPM, Ansible, and Linux.
- **Java Developer (January 2014 - December 2014)**: Specialized in developing a monitoring and alerting system with event correlation. Worked with Java, ITM, Tivoli Netcool Omnibus and Impact, and DB2.
- **System Administrator (June 2013 - January 2014)**: Managed operating systems, configurations, patch management, and middleware administration. Proficient in Windows Server, Linux Red Hat and SUSE, AIX 6, WebSphere, DB2, and various IBM -supported and open-source software.
- **Intern (March 2013 - June 2013)**: Gained valuable insights into the organization's operations and culture. Throughout these roles, I broadened my expertise across multiple technologies and platforms, contributing significantly to various projects and initiatives within IBM Romania.

LICENSES & CERTIFICATIONS

RPA DeveloperRPA Developer by UiPath

Issued Jan 2019

IBM Certified Application Developer - Cloud Platform V1IBM Certified Application Developer - Cloud Platform V1 by IBM

Issued Nov 2016

Oracle Certified Associate Java ProgrammerOracle Certified Associate Java Programmer by Oracle

Issued Nov 2016

Oracle Certified Associate, Java SE 7 ProgrammerOracle Certified Associate, Java SE 7 Programmer by Oracle

Issued Nov 2016

RPA Solution ArchitectRPA Solution Architect by UiPath

UiPath Certified Professional Automation Developer Professional by UiPath

EDUCATION

MMaster'sDegree – e-Government Polytechnic University of Bucharest Faculty of Computer Science

2015

BBachelor'sdegree Polytechnic University of Bucharest Faculty of Computer Science

2013