Nathan Garrett

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Expert RPA and Automations Developer and Full Stack Web/Mobile Developer experienced with Python, React, Node.js, mobile-first responsive development, and business process efficiency and automation. Skilled with modern tooling and eager to learn more.

KEY SKILLS

Languages/Frameworks: RPA Development (Attended and Unattended), CoPilot Agent Development, Python, React, Redux, JavaScript, Node.js, SQL, HTML5, CSS3, MongoDB, Express.js, Ajax, as well as multiple unit test and assertion libraries (Mocha, Chai, Jest, etc)

Dev Tools & Methods: Agile, DevOps, Power Pipelines, Power Platform Admin Center, Power Platform Custom Security Roles, Multiple AWS Services, Git/GitHub, Mobile-first, Responsive, Test Driven Development, Big O Notation, Data Structures and Algorithms, CI/CD Pipelines

Online Marketing: SEO/SEM Optimization, Google Analytics, Campaign Targeting/Management, Web Design

EXPERIENCE

Solution Architect - John Deere Financial, 12/2023 – Current
- Heavily involved in interview processes to expand our team to 7 employees
- Designed and maintained the environment structure, AD Groups, and Custom Security Roles for 25 environments that allowed us to scale to thousands of developers which resulted in over 125,000 hours of time savings.
- Onboarded 2 other Business Capability Areas (Agriculture and Customer Service & Supply Chain) that wanted to use our Power Platform structure rather than what Enterprise Deere had designed to use.
- Started training in other Power Platform tools including AI Builder, Power BI, Power Apps, CoPilot Agents, Cloud Flows, and Desktop Flows.
- Created templates, frameworks, and re-usable components to provide to Citizen Developers to speed up development and encourage the use of robust error handling and other best practices
- Designed and implemented a full ALM process for packaging and deploying solutions from Dev to Prod while abstracting all of the complexities from the deployer.
- Worked with other team members to get customized dashboards and PowerBI Reports to track what stage of their journey our citizen developers were in, how much time their automations saved, etc. Audit and Compliance team uses these dashboards to identify higher risk automations. Senior leadership and stakeholders use them to quickly identify the value our team provides.
- Digitalized the previously in-person training program and broke down the training into tiers based on experience of the student
- Automated the assignment of security role permissions and environment access for developers based on level of training they completed.
- Refactored our internal website I created years ago that we use for RPA training purposes so that it uses more modern technologies such as React and OKTA 2-factor authentication to simulate real-world RPA use-cases in a training environment
- The RPA's that I developed back in 2021 are still being used today with little to no maintenance required in the last 5 years.

Product Manager - John Deere Financial, 8/2022 – 12/2023
- Presented to leadership at the 2023 Worldwide Leadership Conference.
- Won the 2022 President's Award for driving excellence and innovation at JDF.
- Assisted in the training and continued skill development of a group of citizen developers internal to John Deere Financial.
- Scaled the program to every region at Deere and trained Citizen Development Leads in each of these areas.

- Met with Product Managers across the globe to understand current processes and identify opportunities for improvement.
- Managed and upskilled 2 direct reports and a dozen other employees that were part of other Deere teams globally.
- Created procedural documentation for audit purposes around the low-code tools offered by the Power Platform Tool suite.

Product Owner - John Deere Financial, 11/2021 – 8/2022
- Was the hiring manager and interviewer to expand the team by 1 person
- Identified and trained "Citizen Development Leads" globally to assist with training on a global scale in their preferred language.
- Developed the curriculum for and trained 88 citizen developers with a backlog of 123 students due the excitement this space generated.
- Met with legal, audit and compliance, and other teams to ensure we were meeting geographic requirements and data residency laws as we scaled globally.

RPA Developer - John Deere Financial, 3/2021 – 11-2021
- Increased overall company productivity and efficiency by developing and maintaining 11 attended automations. These bots are implemented across multiple departments, save close to 500 hours of otherwise manual work per month, and have over 99% up-time.
- Assisted in the training and continued skill development of a group of citizen developers internal to John Deere Financial.
- Designed and implemented an Automation Catalyst Curriculum/Training to further empower our current (and future) citizen developers to be successful at scale.
- Designed and implemented a scalable infrastructure for RPA development to scale over time by designing a database for Devl, Cert, and Prod that gives RPA flows increased intelligence as well as the ability to self-heal from previous failed runs without human intervention and an error logging system for better runtime monitoring.
- Built an end-to-end database-driven framework/template, complete with error handling, to ensure quality, consistent processes are being built by developers and citizen developers.
- Built a large RPA solution to replace an existing automation built using VBScript. The new automation is easier to maintain and solved edge cases not handled by the previous solution.
- Improved business process quality by suggesting ways to modernize the existing business processes to work with RPA solutions.
- Worked with Microsoft's Power CAT team to enhance their tool as well as work out bugs that I've discovered while working with it.
- Presented in large scale meetings to raise awareness of RPA solutions and the benefits they provide.

RPA Developer - Big Data Energy Services, 10/2019 – 2/2021
- Increased overall company productivity and efficiency by developing and maintaining an in-house ETL Framework, RPA libraries, and SQL table-driven architecture for use with RPA processes.
- Enabled the company to quickly grow to meet new client demands by training 3rd-party consultants to build some RPA processes for us as well as training some in-house devs from other departments within the company
- Single handedly built 20+ RPA processes end-to-end for Shell Natural Gas along with many more processes for other big name clients (100+ RPA processes in total)
- Increased Operations department productivity many times over by architecting a queue and re-scheduling system and designing systems for our RPA processes to self-heal without manual intervention (often being able to recover even after being up to several months behind). This drastically reduced man hours and maintenance on all RPA processes across the board (over 1,400 RPA processes running daily)
- Assumed the role/job duties of the Vice President of Development after he stepped down back in 12/2019

Additional Work History
Tracker Technologies | Full Stack Web and Mobile Developer, 4/2018 – 9/2019
Full Stack Developer, 4/2017 – 3/2018
Salem Carriers | Delivery Driver, 10/2016 – 8/2017
GATX Consulting (internet marketing and consulting agency) | Founder, 4/2015 – 1/2017

XXL HOT SHOT TRANSPORTING LLC | Owner/Operator, 7/2015 – 11/2015
Acme Truck Line, Inc. | Owner/Operator, 8/2014 – 7/2015
Performance Food Group | Delivery Driver, 2/2014 – 8/2014
United States Marine Corps | Active Duty (Honorably Discharged), 8/2012 – 9/2013

EDUCATION

THINKFUL | Web Development Intensive, *2/2018*
- Intensive, five-month full time course on modern full stack JavaScript development.
- Learn industry best practices and practical software development standards.
- Focus: HTML5, CSS3, JavaScript, jQuery, Node.js, Express, Ajax, React, Redux, and algorithms & data structures.