

# ABINASH RAY

## Lead Identity Engineer

+91 8951540395 @ abinashray267@gmail.com <https://www.linkedin.com/in/abinash-ray-3aa1aa1a0/>  
📍 Bangalore, India



## EXPERIENCE

### Lead Identity Engineer

#### Simeio Development Center Pvt Ltd (Client: Jefferies)

⌚ 10/2022 - Present 📍 Bangalore, India

- Lead Identity Engineer managing a 14-member team responsible for RPA, AI/ML, IAM automation strategy, solution architecture, technical governance, and direct reporting to the Senior Vice President of Technology.
- Delivered over 150+ production grade RPA solutions using UiPath and Power Automate, automating Identity Governance, User Lifecycle Management, Access Reviews, Ticketing, and Privileged Access processes across global enterprise systems.
- Architected more than 15 custom RE-Frameworks and high-scale automation pipelines with advanced exception handling, retry mechanisms, transactional orchestration, queue-based processing, and reusable component libraries, improving automation reliability and delivery efficiency by over 60%.
- Built enterprise grade AI/ML solutions, including User Access Growth Forecasting (Lasso/Ridge), Privileged Account Misuse Prediction (SVR), AI-driven Document Understanding, and multiple classification, regression, and deep learning models across Banking, Telecom, Medical, Aviation, Semiconductor, and E-commerce domains.
- Possess hands-on expertise across the complete ML lifecycle, covering exploratory data analysis (EDA), feature engineering, model training and hyperparameter tuning (Grid/Random Search), cross-validation, PCA, SMOTE/T-Link balancing, ANN/DNN/CNN, transfer learning, NLP transformers, and agentic AI frameworks (OpenAI SDK, Crew AI, LangGraph, Autogen, MCP).
- Developed Power BI dashboards to track RPA and AI/ML lifecycle performance, efficiency, and forecasting metrics.

### Senior RPA Developer

#### Ascendum Solution Pvt Ltd (Client: VOLVO GROUP)

⌚ 06/2021 - 10/2022 📍 Bangalore, India

- Delivered 10+ enterprise-grade RPA automations in SAP, Web, and legacy applications as a Senior RPA Developer, covering processes such as Invoice Scanning, Canada Collection Tool (CCT), LES I/II, PENTA JDE, MIV AP, SED9, AIM Reporting (multi-region), and more.
- Led the design, development, and enhancement of automation solutions, including creation of reusable components, workflow optimization, exception handling, and production support for 30+ critical bots.
- Implemented Document Understanding frameworks (OCR + ML extraction) for high-volume invoice and AP processes across 7+ global regions, improving data accuracy and reducing manual effort.
- Developed Power BI dashboards to visualize RPA lifecycle metrics, bot performance, AP process throughput, exception trends, and SLA adherence, enabling leadership with real-time decision insights.
- Collaborated closely with business users and SAP functional teams, gathering requirements, preparing PDD/SDD, supporting UAT, managing deployments, handling service requests, and ensuring end-to-end process stability post go-live.

## SUMMARY

Highly accomplished Senior RPA Developer and Automation Lead with 9+ years of experience delivering enterprise scale intelligent automation solutions that combine RPA, AI, and Machine Learning to drive measurable business impact. Currently operating in a technical leadership role, owning end-to-end automation delivery across the organization spanning solution architecture, design reviews, development standards, deployment strategy, and production governance. Proven expertise in building scalable and secure RPA ecosystems using UiPath and Power Automate, integrating bots with enterprise applications, APIs, and AI services. Strong focus on mentoring teams, leading automation initiatives, and translating business requirements into robust, reusable automation frameworks. Brings hands-on experience across machine learning pipelines, from traditional algorithms to deep learning-based automation, with practical exposure to Computer Vision models such as R-CNN, YOLO, and SSD, and NLP using Transformer architectures including BERT and DistilBERT. Actively working in Agentic AI, with experience building intelligent agents using the OpenAI SDK and exposure to multi-agent frameworks like CrewAI, enabling adaptive, decision-driven automation. Recognized for bridging technical execution, leadership, and AI-driven automation strategy to deliver sustainable enterprise value.

## SKILLS

### Automation and Development Tools

RPA (UiPath (Modern/Classic/RE-Framework)/Power Automate Desktop), AI/ML(Jupyter Notebook/PyCharm/Crusor/Visual Code), DataBase (MS SQL/My SQL), AI Center, Document Understanding, Orchestrator, Object Repository, Power BI, Excel, Word, Power Point, JIRA, Confluence, Version Control (GitHub, BitBucket)

### Scripting

LINQ Queries, Python Scripting, Database Queries, Power Auery, Excel Macros

## EDUCATION

### Post Graduate: AI and ML

#### Great Learning - Bangalore

⌚ 2025 📍 India

## EXPERIENCE

---

### RPA Developer

#### TekSystem India Pvt Ltd (Client: Arrow Electronics)

11/2019 - 06/2021 Bangalore, India

- Developed and delivered 25+ enterprise RPA automations for Arrow Electronics across complex procurement and supply chain workflows, including Molex PO Creation/Change, Qorvo PO Creation/Change, Amazing PO workflows, POBR I/II, ASN Report Generation for 10 clients, Hiran PO workflows, and more.
- Built reusable automations to streamline PO lifecycle management (creation, modification, approval), significantly reducing manual processing time and improving accuracy across multiple vendor systems.
- Enhanced and optimized 10+ existing automations, improving reliability, adding new business logic, optimizing selectors, and strengthening exception handling for stable production performance.
- Provided continuous production support by monitoring bot behavior, resolving incidents, performing root-cause analysis, and deploying fixes with minimal downtime to business operations.
- Collaborated with business stakeholders and subject matter experts, documenting requirements, preparing PDD/SDD, participating in UAT cycles, managing deployments, and ensuring compliance across all automation releases.

### RPA Developer

#### STACKVIA TECHNOLOGIES PRIVATE LIMITED

08/2017 - 11/2019 Bangalore

- Spearheaded the automation of 6+ processes for the sales team, providing crucial support for extensive data collection
- Successfully developed and implemented RPA solutions, achieving a significant 50% increase in operational efficiency and an impressive 70% reduction in manual errors
- Created and maintained RPA scripts using tools such as UiPath, ensuring continuous functionality and adaptability to evolving needs
- Streamlined complex processes, effectively reducing processing time by 50%, contributing to enhanced overall efficiency
- Conducted thorough testing and troubleshooting for RPA solutions, ensuring accuracy and reliability in deployment, resulting in improved system performance
- Managed orchestrator OData entities, overseeing key functions like managing, monitoring, debugging, and creating entities for optimal orchestration performance

## PROJECTS

---

#### Provisioning & Deprovisioning Projects (Web/Desktop/Mainframe/Citrix/API Automations)

Master Process, Broadridge BPS, SiteMinder, Broadridge HOD, IOM/IPM, Gloss, Fidessa USTP, Fidessa GCTAC, New Hire Tech, FidessaFTP, Symphony, Frontier Citrix App, ICI Impact, Transcend, Recorded Future, Loanet HOD, Spectrum Citrix App, Latis, E-Fax, DTCC, JORs, Two Four, ICI Impact, EDOC

#### Feed File Download Automation (Web/Desktop/API Automation)

Transcend, Symphony, TT-XTrader, TradingHub, Everest, Delogic, E-Fax, Anvesta, DTCC

#### SAP Automation

Invoice Scanning Process, Canada Collection Tool, Parma 104 Reconciliation, LES I/II, PENTA JDE SAP, MIV AP, SED9, VARNET MFIP, AIM Reporting

## EDUCATION

---

### B-Tech:

#### Government College Of Engineering

08/2017 Odisha, India

- Electrical Engineering
- Government College Of Engineering - Odisha, India

### Higher Secondary Education: Science

#### Panchayat Junior College

08/2013 Odisha, India

### Board of Secondary Education

#### Board of Secondary Education Saraswathi Shishu Vidya Mandir

08/2011 Odisha

- Saraswathi Shishu Vidya Mandir - Odisha

## LANGUAGES

---

### Odia

Native



### Hindi

Proficient



### English

Proficient



## INTERESTS

---



Badminton



Cricket



Singing

## PROJECTS

---

### PO Process (Purchase Order) And ASN Generation

Molex PO Change, Molex PO Creation, Qorvo PO Change, Qorvo PO Creation, Amazing PO Change, Amazing PO Creation, Hiran PO Change, Hiran PO Creation, POBR I/II, ASN Report Generation

---

### Document Understanding

Email Termination (150+ applications feed files), Handling unmatched users (250+ applications)

---

### Enterprise AI Solutions

JRbot (Chat bot using OpenAI sdk), Predicting User Access Growth (Lasso/Ridge), JEFAI (In house app to interact with the LLMS), Privileged Account Misuse (SVR)

---

### Self-Paced AI Projects

Medical research, Loan Approval System, Telecom (potential customers who have a higher probability to churn), Semiconductor manufacturing process (For feature engineering), Aviation Industry (To predict flight price (DNN model), Autonomous Vehicles (DNN to get Image to vehicle number), Electronics and Telecommunication(DNN for signal quality), Botanical Research (CV project), Build my custom transformer for translation (German to English), Agentic AI (Deep Research Agent, python Code generator agent, Engineering Team (Crew SDK), Debate agent and many more), LLM models (Open AI, Deep seek, Claude, llama)