

ASHUTOSH TRIPATHY

RPA Developer | Cloud & DevOps Engineer | Backend Developer

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Results-driven RPA Developer and Cloud Engineer with hands-on professional experience at Cognizant automating enterprise SAP workflows using UiPath, Microsoft Power Automate, C#, and VB scripts. AWS-certified with practical cloud internship experience building recommender systems and HR platforms. Proficient in Python/Django backend development with multiple production-deployed projects. Actively pursuing AWS Certified Solutions Architect, AWS AI Practitioner, AWS Cloud Practitioner, and Microsoft PL-900 certifications. Seeking to leverage automation and cloud expertise in RPA, DevOps, or backend engineering roles.

TECHNICAL SKILLS

Automation / RPA	UiPath, Microsoft Power Automate Desktop, Power Platform, Power Apps
Cloud Platforms	AWS (EC2, S3, Lambda, RDS, IAM), GCP — AWS Certified (Cloud & Technical)
Programming Languages	Python, Java, Rust, C — Data Structures & Algorithms proficiency
Backend Frameworks	Django, Flask, REST APIs, WebSockets, OAuth, SQLAlchemy
Scripting / Automation	C#, VB.NET, VBScript, Bash — SAP process automation
DevOps & Infrastructure	Docker, Kubernetes, Jenkins, Ansible, Git, CI/CD Pipelines
Databases	PostgreSQL, MySQL, MongoDB, Oracle DB — query optimization
Frontend	HTML, SCSS, JavaScript, GSAP, Locomotive.js
Certifications (In Progress)	AWS Solutions Architect, AWS AI Practitioner, AWS Cloud Practitioner, Microsoft PL-900

PROFESSIONAL EXPERIENCE

Junior RPA Developer

November 2024 – Present

Cognizant Technology Solutions | Chennai, India

- Architect and deploy end-to-end automation workflows using UiPath and Microsoft Power Automate Desktop, cutting average process cycle time by 35%.
- Automate complex SAP business processes (order management, finance reconciliation) using C# and VB scripts, reducing manual intervention by 60%.
- Design reusable automation components and RE Framework-based bots, improving maintainability and reducing development time for new workflows by 40%.
- Collaborate with business analysts to gather process requirements, create PDD/SDD documentation, and deliver automations aligned with enterprise compliance standards.

AWS Cloud Intern

May 2024 – August 2024

F13 Technologies | Remote

- Achieved AWS Cloud & Technical certification; researched enterprise cloud migration strategies for major clients including IRS, TIBCO, and BMW.
- Engineered an AWS service recommender system using Django and collaborative-filtering algorithms, improving cloud product discovery for 200+ use cases.
- Built a full-stack HR Management System on Django + AWS (EC2, RDS, S3) for end-to-end employee operations, deployed and maintained on live infrastructure.

- Evaluated AWS Well-Architected Framework pillars to propose cost-optimized, resilient architectures for client migration proposals.

PROJECTS

Sync-Smith <i>Python, Django, OAuth, GitHub API</i>	March 2025
• Built a GitHub-authenticated platform enabling developers to manage project inventories and push code to repositories in one click, streamlining version control workflows. • Engineered OAuth 2.0 authentication, REST API integration, and background task management; improved developer deployment efficiency by 40%.	
Diamint — Diamond Trading Platform <i>Django, REST API, Neon DB, Render</i>	2025
• Architected a full-stack investment platform with Django REST Framework, PostgreSQL (Neon DB), and cloud deployment on Render. • Implemented scalable data models, user authentication, and real-time pricing logic for an emerging asset-class trading application.	
CommandPro AI — Voice-Driven Personal Assistant <i>Python, Web Automation, Speech Recognition</i>	April 2024
• Created an AI-driven assistant executing tasks via voice commands, integrating speech recognition and browser automation to enhance productivity by 35%. • Improved task execution accuracy by 20% through NLP preprocessing and intent classification.	
Realtime Collaborative Whiteboard <i>Python, Flask, WebSocket, JavaScript, SQLAlchemy</i>	August 2023
• Engineered real-time multi-user collaboration using WebSocket events and Flask backend, supporting concurrent sessions with conflict-free state management. • Reduced customer support requests by 20% through intuitive UI and stable real-time sync.	
AWS Service Recommender <i>Python, Django, Collaborative Filtering</i>	2024
• Built during F13 internship — recommendation engine mapping user workload profiles to optimal AWS services using similarity-based ML algorithms.	

CERTIFICATIONS & LEARNING PATH

Completed	
• Amazon Web Services (AWS): Cloud Practitioner Foundations & Technical Essentials • Oracle: Oracle Certified Foundation Associate • NPTEL: Python for Data Science NPTEL: Cloud Computing	
In Progress (2025–2026)	
• AWS Certified Solutions Architect – Associate (SAA-C03) • AWS Certified AI Practitioner (AIF-C01) • AWS Certified Cloud Practitioner (CLF-C02) • Microsoft Power Platform Fundamentals (PL-900)	

EDUCATION

Bachelor of Technology in Computer Science	2020 – 2024
<i>National Institute of Science and Technology, Berhampur</i>	
Intermediate (Science)	2018 – 2020
<i>Govt. Autonomous College, Rourkela</i>	
Matriculation	2018
<i>Adarsha Vidya Mandir, Rourkela</i>	

LEADERSHIP & ACTIVITIES

Cloud Developer — Cloud Computing Club

Spring 2022 – Present

National Institute of Science and Technology

- Led application development and deployment on AWS and GCP cloud infrastructure for club projects, managing end-to-end CI/CD pipelines.
- Managed an executive board of 30 members and organised hands-on workshops on AWS application hosting, serverless computing, and DevOps best practices.