

Ajay Rajput

DEVOPS ENGINEER · SITE RELIABILITY ENGINEER · PLATFORM ENGINEER

Gdańsk, Poland

☎ +48 517 115 282 | ✉ iamapsrajput@outlook.com | 🌐 ajayrajput.link | 🌐 iamapsrajput | in iamapsrajput

“Be the change that you want to see in the world.”

Summary

A seasoned DevOps and Cloud Engineering leader with extensive experience at Thomson Reuters and Collins Aerospace. Combines a strong background in software development with deep expertise in cloud platforms (AWS, Azure), Infrastructure as Code, containerization (Docker, Kubernetes), and large-scale system automation. Passionate about building resilient platforms and fostering a culture of continuous improvement.

Technical Skills

Cloud and DevOps	Docker, Kubernetes, Ansible, AWS, Azure, Terraform
CI/CD and Version Control	Azure DevOps, GitHub Actions, Git, Jenkins, SVN, JIRA
Monitoring and Security	Datadog, Prometheus, Grafana, AWS CloudWatch
Programming and Observability	Python, C/C++, Bash, PowerShell
Databases and Testing	PostgreSQL, MySQL, MongoDB, DynamoDB, PostgreSQL, PyTest, TestNG
Security and Compliance	AWS IAM, HashiCorp Vault, SSL/TLS, RBAC, ELK Stack

Certifications

- 2022 **Certified SAFe 6 Agilist, Scaled Agile Framework**, Scaled Agile, Inc.
- 2022 **Certified SAFe 6 Product Owner/Product Manager, Scaled Agile Framework**, Scaled Agile, Inc.
- 2022 **Certified Scrum Product Owner (CSPO), Agile Product Management**, Scrum Alliance

Work Experience

Thomson Reuters

Gdańsk, Poland

LEAD SERVICE RELIABILITY ENGINEER

February 2024 - Present

- Led infrastructure setup for GCC Control Plane Project dashboard application across beta, development, and production environments
- Architected and deployed comprehensive CI/CD pipelines using GitHub Actions, reducing deployment time by 60% and eliminating manual interventions
- Developed multiple AWS Lambda functions for automated incident management, processing 1,000+ alerts daily with 99.8% accuracy
- Integrated Datadog webhooks with DynamoDB for real-time alert processing and built RAG chains for chatbot functionality
- Reduced manual monitoring overhead by 70% through centralized dashboard implementation, replacing fragmented processes
- Established automated workflows for Log and Refer processes, improving processing speed by 80% on AWS infrastructure
- Onboarded 15+ applications to support L1 team operations and mentored 5+ engineers on DevOps best practices
- Spearheaded 24/7 Global Command Center technical operations, leading incident response for 500+ monthly incidents

Collins Aerospace (formerly Raytheon Technologies)

Bengaluru, IN / Cedar Rapids, USA

DEVOPS ENGINEER

October 2016 - October 2022

- Architected AWS cloud infrastructure using Terraform for FlightHub Flight Profile Optimization, managing 50+ EC2 instances
- Containerized application components using Docker and deployed Kubernetes clusters supporting 200+ microservices with 99.9% uptime
- Constructed comprehensive CI/CD pipelines using GitHub Actions with automated testing, reducing deployment failures by 80%
- Engineered secure VPC architecture with proper subnet configuration, API Gateway integration, and SSL/TLS certificate management
- Deployed monitoring and observability solutions using Prometheus, Grafana, and ELK stack for real-time system insights
- Configured AWS Elastic Load Balancing and auto-scaling mechanisms, reducing infrastructure costs by 25% annually
- Established security best practices using AWS IAM, Secrets Manager, and role-based access control across all environments
- Managed CI/CD pipelines in Azure DevOps and executed comprehensive monitoring using CloudWatch and custom dashboards

Tata Consultancy Services

Bengaluru, India

SYSTEMS ENGINEER

November 2015 - September 2016

- Conducted comprehensive code reviews and debugging for embedded systems, ensuring 99.9% system reliability
- Led test strategies and verification processes using LDRA and RT tester tools, improving code quality by 40%
- Delivered high-quality systems conforming to Software Design Document standards for 5+ aerospace applications
- Deployed automated testing frameworks, reducing manual testing effort by 50% and accelerating release cycles

CYIENT Ltd

SOFTWARE ENGINEER

Bengaluru, India

January 2014 - July 2015

- Developed Cockpit Panel Manager applications for aerospace systems, ensuring compliance with aviation standards
- Performed functional testing and hardware/software integration testing, achieving 95% test coverage
- Created comprehensive test scenarios and executed automated test suites, reducing testing cycle time by 30%
- Collaborated with cross-functional teams of 12+ engineers to deliver mission-critical avionics software

IAP Company Pvt Ltd

PROGRAMMER

Gurugram, India

January 2012 - December 2013

- Developed automated test procedures in C and Python, improving testing efficiency by 60%
- Executed testing based on low-level Software Design Document specifications with 100% requirements traceability
- Enhanced software testing lifecycle through refined manual test cases and automation frameworks
- Contributed to embedded systems development for industrial automation projects, delivering 4+ client solutions

Key Projects

Thomson Reuters

Infrastructure & Platform Engineering

GCC CONTROL PLANE

2024

- Engineered complete infrastructure setup for L1 Support Team dashboard application across multiple environments
- Constructed comprehensive CI/CD pipelines using GitHub Actions with automated testing, reducing deployment time by 75%
- Developed AWS Lambda functions for automated incident management, processing real-time alerts with 99.5% accuracy
- Integrated Datadog webhooks with DynamoDB for scalable alert processing and deployed RAG chains for intelligent responses
- Achieved 70% reduction in manual monitoring time through centralized dashboard, replacing fragmented processes

Thomson Reuters

Automation & Efficiency

PROCESS AUTOMATION INITIATIVE

2024

- Identified and systematized critical manual engineering processes, including Log and Refer automation
- Executed Transcharge Automation on AWS infrastructure, reducing processing time by 80%
- Engineered automated workflows that eliminated repetitive tasks and improved operational efficiency by 45%
- Reduced operational overhead and improved team productivity through strategic automation initiatives

Personal Open Source Project (In Development)

Creator & Lead Developer

MODELMUXER - ENTERPRISE LLM ROUTING PLATFORM

2025 - Present

- Architecting enterprise-grade LLM routing platform using FastAPI and microservices architecture
- Executing intelligent routing strategies (cascade, semantic, heuristic, hybrid) targeting 70% cost optimization
- Engineering multi-provider integration supporting OpenAI, Anthropic, Google, Mistral, Groq, and LiteLLM
- Constructing a comprehensive cost optimization system with real-time budget management and usage analytics
- Developing enterprise security features including JWT authentication, RBAC, and audit logging
- Creating Kubernetes-native deployment architecture with high availability and observability stack
- Building custom containerization solutions with auto-detection for Docker and Apple Container platforms
- Targeting less than 200ms routing decision time and 10,000+ requests/minute throughput optimization

Collins Aerospace

Cloud Infrastructure & DevOps

FLIGHTHUB FLIGHT PROFILE OPTIMIZATION

2020-2022

- Architected AWS cloud infrastructure using Terraform, provisioning EC2 instances, RDS databases, and S3 storage for flight optimization data supporting 10,000+ daily calculations
- Containerized application components using Docker and deployed Kubernetes clusters with auto-scaling and high availability supporting 200+ microservices
- Executed secure VPC architecture with proper subnet configuration, API Gateway, and SSL/TLS certificate management protecting 50+ API endpoints
- Constructed monitoring and observability solutions using Prometheus, Grafana, and ELK stack for real-time system insights processing 2M+ daily events
- Configured AWS Elastic Load Balancing and deployed auto-scaling mechanisms based on demand patterns, optimizing costs by 25% annually
- Established comprehensive security using AWS IAM, Secrets Manager, and role-based access control across 100+ cloud resources

Education

Purdue University Online

Online

POSTGRADUATE DEGREE IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

2021 - 2022

Sikkim Manipal University MASTER OF BUSINESS ADMINISTRATION (INFORMATION TECHNOLOGY)	Bengaluru, India 2015 - 2017
Uttar Pradesh Technical University (UPTU) BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING	Ghaziabad, India 2008 - 2011
Board of Technical Education (BTE) DIPLOMA IN COMPUTER SCIENCE AND ENGINEERING	Lucknow, India 2005 - 2008

Open Source and Professional Development

ModelMuxer - Enterprise LLM Routing Platform CREATOR & LEAD DEVELOPER	Personal Open Source Project 2025 - Present
<ul style="list-style-type: none"> Developing enterprise-grade LLM routing platform with intelligent cost optimization targeting 70% cost reduction Executing microservices architecture using FastAPI, Kubernetes, and multi-provider AI integration Constructing a comprehensive security framework with JWT authentication, RBAC, and audit logging Engineering containerization solutions with auto-detection for Docker and Apple Container platforms Architecting observability stack with Prometheus, Grafana, and distributed tracing capabilities 	

Awards and Recognition

APR 2025 Innovation Award , Outstanding contribution to process automation and technical innovation	Thomson Reuters
MAR 2021 Star Award , Excellence in project delivery and technical leadership	Collins Aerospace
APR 2021 Star Award , Excellence in project delivery and technical leadership	Collins Aerospace
SEP 2020 QUADRANT Award , Recognition for exceptional performance and team collaboration	Collins Aerospace
SEP 2020 PAT on the Back , Appreciation for outstanding technical contributions	Collins Aerospace

Languages

Native	Hindi
Proficient	English

Achievements and Strengths

Streamlined Deployments	Implemented CI/CD pipelines, enabling daily updates and faster releases.
Cloud Migration Champion	Led full-scale migration to cloud, reducing infra costs by 30%.
Problem-Solving	Resolving complex issues, improving uptime.
Collaboration	Driving cross-team efficiency and productivity (+25%)