

# Ajay Rajput

Certified SAFe® 6 Agilest, PMPO, CSPO®, DevOps Engineer, Platform Engineer, Scrum Master

With a background in embedded systems engineering, eager to transition skills and experience to a career in DevOps. With over eight years of hands-on experience developing, testing, and deploying embedded software systems and a solid understanding of software development life cycles and methodologies. Implemented automation processes using AWS, Azure, Terraform, Docker, and Kubernetes, resulting in a 40% reduction in manual efforts and a 20% increase in deployment speed.

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## PROFESSIONAL SKILLS

Communication & Collaboration

Problem Solving & Critical Thinking

Adaptability & Flexibility

Continuous Learning

Team Player

Customer-Focused

Leadership

Time Management

Creative Thinking

Attention to Detail

## TECHNICAL SKILLS

### Cloud Platforms:

AWS, Azure, GCP

### Automation Tools:

Terraform, Azure DevOps, Jenkins, Ansible

### Methodologies:

Scrum, Agile, V-Model, Waterfall Model

### Designing IDs:

Eclipse, Understand C++, VS Code

### Containerisation Technologies:

Docker, Kubernetes

### Embedded Testing Tools:

LDRA, Vector Cast, RT Tester

### Programming Languages:

C, C++, Python

### Standards Guidelines:

DO-178B/C, EN-50128, MISRA

## WORK EXPERIENCE

### DevOps Engineer

Raytheon Technologies (Former Collins Aerospace)

10/2016 - 10/2022

Bengaluru, India / Cedar Rapids, USA

#### Responsibilities

- ◇ Successfully implemented and maintained robust CI/CD pipelines in Azure DevOps, showcasing expertise in delivering high-quality software efficiently and consistently.
- ◇ Demonstrated exceptional proficiency in infrastructure-as-code (IaC) principles by automating infrastructure deployment using Terraform, ensuring scalability and reliability across diverse environments.
- ◇ Leveraged the power of Docker containers to streamline development and testing, ensuring seamless integration and reproducibility in deployments.
- ◇ Expertly utilized Kubernetes to orchestrate and optimize test clusters, enabling efficient scaling and management of containerized workloads.
- ◇ Proven ability to provision and manage secure environments using AWS services like EC2, VPCs, and security groups, ensuring data protection and compliance.
- ◇ Implemented advanced monitoring and alerting strategies, leveraging AWS CloudWatch to proactively identify and resolve issues in test environments, ensuring optimal performance and reliability.
- ◇ Demonstrated exceptional data management and analysis skills by effectively utilizing Elastic Search for efficient indexing, searching, and analysis in testing scenarios.
- ◇ Fostered seamless collaboration between development and testing teams by adopting DevOps tools and practices, promoting efficient communication and knowledge sharing.
- ◇ Leveraged Amazon EKS for advanced container orchestration of test applications, enabling rapid deployment, scalability, and streamlined management of containerized workloads.
- ◇ Highlighted adaptability and willingness to learn by showcasing knowledge and experience with Google Cloud Platform (GCP), particularly in computing resources and storage, demonstrating a versatile skill set for multi-cloud environments.

## WORK EXPERIENCE

### Quality Assurance Engineer Tata Consultancy Services

11/2015 - 09/2016

Bengaluru, India

#### Responsibilities

- ◇ Demonstrated expertise in conducting thorough reviews of models and code, ensuring alignment with high-level requirements and proactively resolving bugs to maintain exceptional quality standards.
- ◇ Utilized strong leadership skills to lead a team in delivering error-free interactive products that exceeded customer expectations and met industry standards.
- ◇ Enhanced accuracy and quality by meticulously verifying the results of executed test scripts on both target and simulated environments.
- ◇ Designed and verified robust systems that adhered to client-mandated SDD standards, leveraging previously authored SDD documents for multiple systems.
- ◇ Coordinated the development of comprehensive Test Plans, Test Scenarios, and Test Data, enabling effective white box testing and ensuring comprehensive test coverage.
- ◇ Demonstrated proficiency in software verification using LDRA and hardware-software integration testing using the RT tester tool, ensuring optimal system performance.
- ◇ Developed and presented detailed test strategies and plans to the team, providing a clear roadmap for efficient and effective testing processes.
- ◇ Identified and reported defects, diligently tracking them until resolution to maintain a high-quality software development lifecycle.

### Software Engineer CYIENT Ltd

01/2014 - 07/2015

Bengaluru, India

#### Responsibilities

- ◇ Developed Cockpit Panel Manager Application by analyzing design requirements and ensuring adherence to project specifications.
- ◇ Conducted comprehensive system and subsystem testing, including functional, performance, and unit testing, to ensure software quality and reliability.
- ◇ Created and executed thorough test plans, cases, and procedures for verifying and validating avionics systems, ensuring adherence to industry standards.
- ◇ Prepared and documented test scenarios, cases, data, and automation approaches, facilitating efficient and effective testing processes.
- ◇ Evaluated client-supplied top-level requirements and interface documents to prepare accurate and comprehensive Software Design Documents, contributing to seamless project execution.
- ◇ Actively participated in code reviews and bug triage, making valuable contributions to developing and maintaining shared tools and ensuring software excellence.
- ◇ Performed rigorous hardware and software integration testing for Load-Master Work-Station Applications, ensuring seamless functionality and optimal performance.
- ◇ Conducted manual testing of back-end systems, meticulously verifying their alignment with business requirements and design specifications.
- ◇ Identified and implemented test cases for non-functional requirements, ensuring comprehensive coverage of all software aspects.
- ◇ Made significant contributions to the overall software quality by implementing a robust testing process, driving continuous improvement, and delivering high-quality products.

### Programmer IAP Company Pvt Ltd

01/2012 - 12/2013

Gurugram, India

#### Responsibilities

- ◇ Collaborated with 14 professionals to enhance and upgrade the existing system, driving improvements and delivering high-quality results.
- ◇ Conducted risk assessments and formulated effective mitigation strategies to enhance the software design and development (SDD) requirements.
- ◇ Developed and implemented automated test procedures using C and Python languages, aligning them with the specified test cases for efficient and accurate testing.
- ◇ Created comprehensive test cases and procedures based on the Low-Level Software Design Document (SDD), ensuring thorough testing coverage.
- ◇ Documented and reported test results, identified issues, and provided recommendations for improvement, contributing to the overall software quality assurance process.
- ◇ Demonstrated proficiency in test execution by effectively designing, executing, and evaluating test cases to validate software functionality.
- ◇ Updated and refined test cases to ensure consistent and reliable manual testing throughout the development lifecycle.

## CERTIFICATES

Certified SAFe® 6 Agilest (04/2022 - Present)

Certified Scrum Product Owner (CSPO) (04/2022 - Present)

Certified SAFe® 6 PO/PM (04/2022 - Present)

Agile Product Owner Role: Techniques (06/2021 - Present)

## EDUCATION

### **MBA (Information Technology)**

Sikkim Manipal University

06/2017

Bengaluru, Karnataka, India

### **B.Tech (Computer Science and Engineering)**

Uttar Pradesh Technical University

06/2011

Ghaziabad, Uttar Pradesh, India

### **Diploma (Computer Science and Engineering)**

Board of Technical Education, Lucknow

06/2008

Unnao, Uttar Pradesh, India

## AWARDS

### **Star Award (Twice)**

Raytheon Technologies

### **QUADRANT Award**

Raytheon Technologies

### **PAT on the Back**

Raytheon Technologies

### **Team of the Month**

Tata Consultancy Services

## LANGUAGES

English

Full Professional Proficiency

Hindi

Native or Bilingual Proficiency