

# Ajay Rajput

Certified SAFe® 5 Agilest, PMPO, CSPO®, DevOps Engineer, Platform Engineer

With a background in embedded systems engineering, eager to transition skills and experience to a career in DevOps. With over nine 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, Google Cloud

**Automation Tools:** Terraform, Jenkins, Ansible

**Containerisation Technologies:** Docker, Kubernetes

**Methodologies:** Scrum, Agile, V-Model, Waterfall Model

**Standards Guidelines:** DO-178B/C, EN-50128, MISRA

**Programming Languages:** C, C++, Python

**Embedded Testing Tools:** LDRA, Vector Cast, RT Tester

**Designing IDs:** Eclipse, Understand C++, VS Code

## WORK EXPERIENCE

### DevOps / Lead Engineer

Raytheon Technologies (Former Collins Aerospace)

10/2016 - 10/2022

Bengaluru, India / Cedar Rapids, USA

#### Responsibilities

- ◇ Implemented and maintained continuous integration and delivery continuous integration and delivery (CI/CD) pipelines
- ◇ Accountable for overseeing the source code repository, organized structure, and robust security
- ◇ Build, tested, and deployed applications in environments, such as development, testing, and production
- ◇ Automated infrastructure deployment and ensured repeatable and consistent across different environments
- ◇ Led a group of engineers in an Agile process that includes daily stand-ups, presentations to higher management, reviews of code development, and testing (White Box, Black Box, Integration, and System testing)
- ◇ Presented a concept for a tracker system aimed at enhancing process efficiency, and productivity, capturing lessons learned, facilitating self-reviews, and streamlining reviewer checklists
- ◇ Facilitated Agile ceremonies, including sprint planning, daily stand-ups, retrospectives, and demos, for team alignment and effective communication

### Systems Engineer

Tata Consultancy Services

11/2015 - 09/2016

Bengaluru, India

#### Responsibilities

- ◇ Reviewed models and C Code according to high-level requirements; performed code reviews and bug
- ◇ Led five team members to deliver quality, error-free interactive products to the customers
- ◇ Executed test script on Target and Simulated environment and validate results
- ◇ Developed design concerning SDD standards shared by Client and verification of SDD, authored by another person for different system
- ◇ Guided in the creation of Test plans, Test suites, Test scenarios & Test data for white box testing
- ◇ Performed SWI using LDRA and HSI testing using RT tester tool, respectively, which involved writing and executing TPs

## WORK EXPERIENCE

### Software Engineer

CYIENT Ltd

01/2013 - 07/2014

Bengaluru, India

#### Responsibilities

- Performed system and subsystem testing, including functional, performance, and unit testing
- Developed and implemented test plans, test cases, and procedures for verifying and validating avionics systems
- Preparation and documentation of test scenarios, test cases, test data, and test automation approach
- Reviewed top-level requirements and interface documents provided by the client
- Developed SRD from top-level requirements and interface document concerning SRD standards provided by client
- Daily interaction with Client, demonstrating failure found and after thorough analysis, raised Problem Reports
- Performed hardware and software integration testing for Load-Master Work Station Applications
- Collaborated with cross-functional teams to ensure product quality and compliance with industry standards and regulations

### Programmer

IAP Company Pvt Ltd

01/2012 - 12/2013

Gurugram, India

#### Responsibilities

- Joined a team of 14 people and collaborated with the development team to upgrade the current system for improvements
- Risk assessments and developed mitigation strategies for improving the SDD requirements
- Developed automated test procedures in C and python language based on test cases requirement
- Developed Test Cases and Test Procedures from Low-Level Software Design Document
- Documented and reported test results, issues, and recommendations for improvement

## CERTIFICATES

Certified SAFe® 5 Agilest (04/2022 - Present)

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

Certified SAFe® 5 Product Owner/Product Manager (03/2022 - Present)

Learn DevOps: Docker, Kubernetes, Terraform, and Azure DevOps (01/2023 - Present)

Product Masterclass: How to Build Digital Products (06/2021 - Present)

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

## EDUCATION

### Post Graduate Degree, AI and Machine Learning

Purdue University

11/2022

Purdue University Online

### 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

German

Elementary Proficiency