

PETRU PORUMBESCU



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Education

Business and Management
BSU London – Bath Spa University
2023 – Current Date

Mobilise Cloud Academy
AWS Cloud Architect Training Program
Nov 2023 – Feb 2024

QA Cloud Academy
AWS Cloud Developer
Jan 2023 – Sep 2023

Engineering in Construction
TUM Moldova
2007 – 2011



Licenses & Certifications:

- AWS Certified Developer – AWS
- AWS Certified Solutions Architect – AWS
- Terraform Associate (003) – HashiCorp
- Python for Beginners – QA Ltd
- Pythonic Programming – QA Ltd
- Developing on AWS – QA Ltd
- Python-based Microservices – QA Ltd

Languages:

- English
- Romanian



About Me

Junior Cloud Engineer equipped with strong competencies in AWS, cloud computing, and a comprehensive understanding of both theoretical concepts and practical implementation. Recently completed advanced studies in topics ranging from AWS Developer Tools and serverless technologies to Python-based microservices and DevOps practices while concurrently managing a full-time leadership role at Amazon. Eager to apply my technical skills and abilities fostering team collaboration to optimize cloud infrastructure monitoring, provide effective solutions, and drive operational excellence. My dedication to continual learning and resourcefulness outlines my value as a dynamic cloud professional ready to make an immediate impact.



Work experience

AMAZON FULFILMENT CENTRE

2017 – Current Date

Team Leader (Nov 2021 – Current)

- Lead department of 80+ associates; earned promotion by demonstrating work ethic, production quality, and dedication to safety.
- Oversee complete onboarding framework for 25-30 seasonal new hires annually by assigning capable trainers while providing onboarding support; achieved over 95% retention.
- Facilitate daily stand-up meetings reviewing quality, productivity, and safety metrics; conduct regular quality control checks.
- Champion sustainability initiatives in packing/sortation departments by ensuring resources like cardboard and electricity are utilized efficiently
- Identify and drive enhancements to streamline processes in packing and sortation for greater workflow optimization.
- Maintain frequent coordination across departments; improved cross-functional workflows and peak holiday output by over 120%



Technical experience

QA CLOUD ACADEMY

Jan 2023 – Sep 2023

AWS Cloud Developer Program

- Enrolled in advanced cloud computing studies while concurrently employed full-time at Amazon.
- Completed an extensive array of courses and workshops, which include but are not limited to:
 - **AWS Developer Tools:** Gained proficiency in AWS CodeBuild and other development tools.
 - **AWS CodePipeline:** Learned how to set up continuous integration and continuous deployment (CI/CD) pipelines.
 - **Python-based Microservices:** Acquired hands-on experience in designing, building, and deploying microservices using Python.
 - **AWS Serverless Technologies:** Developed expertise in serverless computing with AWS Lambda, API Gateway, and other AWS services.
- Cultivated valuable skills in AWS cloud technologies and DevOps practices, enabling me to apply cloud solutions to real-world scenarios effectively.
- Successfully maintained a delicate balance between my full-time employment at Amazon and my studies, resulting in a comprehensive understanding of both theoretical concepts and practical implementation.

Skills

Cloud Platforms

- AWS (Intermediate)
 - Compute Services
 - Storage Services
 - Database Services
 - Networking
 - Serverless

Programming Languages

- Python (Beginner)

Infrastructure as Code

- AWS CloudFormation (Intermediate)
- Terraform (Beginner)

CI/CD Tools

- AWS CodePipeline (Intermediate)

Version Control

- Git & GitHub (Intermediate)

Containerization

- Docker (Beginner)
- Docker Compose (Beginner)

Collaboration Tools

- Microsoft 365 (Intermediate)
- Microsoft Teams (Intermediate)
- Slack (Intermediate)

Professional Development

- Udemy
- AWS Skillbuilder
- Technical Documentation

Operation Systems

- Linux Administration (Beginner)
- Windows, MacOS

Soft Skills

- Communication
- Leadership
- Teamwork & Collaboration
- Troubleshooting

Technical Projects

• **Launch and Configure a WordPress Instance in Amazon Lightsail**

- Created a step-by-step guide to launch and configure a WordPress website on Amazon Lightsail.
- Demonstrated expertise in Amazon Lightsail, WordPress, Apache, MySQL, and domain registration.
- View Project (<https://petruclouds.com/launch-and-configure-a-wordpress-instance-in-amazon-lightsail/>)

• **Build a Serverless Web Application**

- Designed and developed a serverless web application using AWS Lambda, API Gateway, and Amazon S3.
- Showcased proficiency in serverless computing, RESTful API creation, and secure data storage in the cloud.
- View Project (<https://petruclouds.com/build-a-serverless-web-application/>)

• **Deploying a Three-Tier Architecture on AWS (End-to-End Project)**

- Implemented a comprehensive three-tier architecture on AWS, including web, application, and database servers.
- Utilized AWS EC2, RDS, and Auto Scaling for a highly available and scalable solution.
- View Project (<https://petruclouds.com/deploying-a-three-tier-architecture-on-aws-end-to-end-project/>)

• **Automating File Organization in AWS S3 with Lambda**

- Developed an automated solution using AWS Lambda to efficiently organize and manage files in Amazon S3 buckets.
- Showcased skills in serverless computing, AWS Lambda functions, and effective data management in the cloud.
- View Project (<https://petruclouds.com/automating-file-organization-in-aws-s3-with-lambda/>)

• **Built Enterprise-Grade WordPress Platform on AWS**

- Architected complex WordPress environment on AWS using VPC, EC2, RDS, EFS, S3, CloudFront for secure and reliable hosting.
- Implemented multi-tier infrastructure across availability zones supporting auto-scaling and decoupled services.
- Validated resiliency through chaos experiments and documentation using AWS Well-Architected Framework.
- View Project (<https://petruclouds.com/building-an-enterprise-class-wordpress-architecture-on-aws-cloud/>)