

Certificate

We hereby confirm that

Dimitrios Kalkasinas

has completed the intensive program

Education and Training as AWS Cloud Engineer

with 540 hours of designing practice
(corresponds to 720 lessons) successfully.

Participation from 23.09.2024 until 19.12.2024
Remote, the 19.12.2024 .



Franz Wilhelmy
Program Manager



Dominic Singaraj
Lead Coach

Curriculum

In 720 lessons the students have learned, discussed and practiced the following content in several tasks and projects:

Linux

- Linux Fundamentals
- Users & Groups
- File Handling
- File permissions
- Processes & services
- Shell scripting
- Software Management
- Managing Logs

Cloud Fundamentals

- AWS Management Console
- AWS CLI
- Reliability / High Availability
- Monitoring & Logging
- Amazon CloudWatch

DevOps & Automation

- Infrastructure as Code
- Terraform OSS & Cloud
- AWS CloudFormation
- Docker, Docker HUB
- Amazon (ECR)
- Git, GitHub
- CI/CD & Automation

Networking

- OSI Model
- Protocols
- IP Subnetting
- Amazon Virtual Private Cloud
- Amazon Route 53 (DNS)
- Securing and Troubleshooting
- VPC Connectivity Options

Best Practices

- AWS Well-Architected framework
- Multi-factor authentication
- Cloud Adoption Framework

Cloud Storage

- Amazon S3
- EBS & Instance Store
- Amazon EFS
- Amazon Glacier
- AWS Storage Gateway
- Data transfer & Migration

Compute

- EC2
- AWS Lambda
- AWS Elastic Beanstalk
- Elastic Load Balancing
- Autoscaling

Database

- RDBMS
- MySQL/NoSQL
- SQL Commands
- Working with Functions
- Amazon RDS
- Amazon Aurora
- Amazon DynamoDB
- Amazon Redshift
- DMS, SCT

Development

- Website Hosting
- Amazon CloudFront
- Amazon API Gateway
- Simple Notification Service
- AWS Lambda
- AWS Elastic Beanstalk
- AWS SDK - Boto3
- AWS Certificate Manager
- Python Fundamentals

Security

- Data Security / Cyber threats
- Security life cycle
- Threat mitigation
- Anti-Malware
- IAM - Identity management
- Security compliance
- AWS Trusted Advisor

Artificial Intelligence

- Amazon Rekognition
- Amazon Code Whisperer
- Amazon Q

SysOps

- CloudTrail
- Systems Manager
- AWS Config
- Amazon CloudWatch Logs & Events
- AWS Service Integration with Amazon Athena
- AWS Organizations
- AWS Trusted advisor
- Cost & Performance Optimization

Traditional & Agile

- Methodologies
- SDLC, Waterfall
- Kanban, Scrum
- Daily stand-ups

Final Project

- Capstone (4 weeks)

AWS Cloud Practitioner

- Preparation and certification