Abishek Kc

abhishekkc701@gmail.com ◻ 3343727920 in/abishekkc701 kcabishek.com

---

EDUCATION

Bachelor of Science in Computer Science
Troy University · Troy, Alabama   Graduation Date- 2025
· World Honors Scholarship

CERTIFICATIONS

AWS Certified Solutions Architect – Associate
Amazon Web Services Training and Certification ·   August 28, 2024

AWS Certified Cloud Practitioner
Amazon Web Services Training and Certification ·   July 24, 2024

PROJECTS

Scalable Microservices Video Platform   November 2, 2024
Cloud-Native Architecture | Event-Driven Computing| Containerization
· Developed a serverless video transcoding platform using AWS Lambda, API Gateway, ECS with Fargate, and Docker, improving processing efficiency by 20%.
· Automated infrastructure provisioning using AWS CloudFormation and implemented CI/CD with AWS CodePipeline and GitHub, reducing deployment time by 50%.
· Integrated Amazon Kinesis Data Streams for real-time analytics, capturing user interactions to analyze video performance.
· Ensured cloud security compliance with IAM roles, VPC isolation, and WAF, protecting the platform from web threats and maintaining 100% security compliance.

Cloud-Native E-Commerce Platform   September 24, 2024
Cloud-Native Architecture | Secure Payment Processing | Scalability
· Built a serverless e-commerce platform on AWS using Lambda, API Gateway, DynamoDB, and S3 for a scalable backend with a React frontend.
· Integrated Stripe API for secure payment processing, ensuring 99.9% uptime and seamless transaction handling.
· Managed AWS infrastructure through AWS Management Console, reducing manual configuration time by 50%.
· Implemented CI/CD pipeline using AWS CodePipeline and GitHub, cutting deployment time by 40% and automating infrastructure updates.

Cloud-Driven Portfolio Website   October 28, 2024
CI/CD Automation | Global Content Delivery | Secure Data Management
· Deployed a portfolio website using S3 for static hosting, Route 53 for custom domain management, and CloudFront for global content delivery, achieving 99.9% uptime.
· Automated CI/CD pipeline with GitHub and AWS CodeBuild, reducing deployment time by 40%.
· Integrated an API-driven contact page using API Gateway and AWS Lambda, storing user submissions securely in DynamoDB.
· Secured the site with SSL/HTTPS using AWS Certificate Manager, ensuring 100% secure connections.

SKILLS

Cloud & Infrastructure Management
· AWS, AWS CloudFormation, Docker, ECS, Fargate, RDS, DynamoDB, S3, Elastic Load Balancer (ELB), Auto Scaling, EBS (Elastic Block Store), Amazon VPC Peering

Automation, CI/CD & Scripting
· Python, AWS CLI, AWS CodePipeline, GitHub, Git, CloudFormation Templates, Infrastructure as Code (IaC)

Networking, Security & Optimization
· VPC, IAM, ALB, WAF, AWS ACM, IAM Policies, AWS CloudFront, CloudWatch, NACLs (Network Access Control Lists), AWS Shield

Application Development & API Management
· React, JavaScript, AWS Lambda, API Gateway, Amazon Kinesis, Step Functions, AppSync, AWS Amplify

---

ACHIEVEMENT

TroyHack 2024 MVP Special Award Winners
· Winner for developing the "Troy Virtual College Consultant," a chatbot that provides personalized course recommendations and academic guidance using AI and natural language processing technologies.