

# Karthick K

## Cloud / Junior DevOps Engineer

I'm an AWS Certified Cloud Practitioner with a strong foundation in core AWS services, Linux administration and cloud deployment. Skilled in problem-solving and cross-functional collaboration, seeking an entry-level cloud, DevOps or support role

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## WORK EXPERIENCE

### GDS BPM

#### Department of Posts

04/2021 - 08/2023

##### Tasks

- Managed customers with postal products including Savings Accounts, RD, TD, NSC, KVP
- Handled India Post Payments Bank (IPPB) transactions such as account opening, cash deposits, withdrawals, aadhar updation and digital banking services
- Ensured accurate KYC data, document verification and compliance to prevent errors, fraud, and account rejection
- Took operational ownership by consistently meeting productivity targets, timelines, and quality standards

## PERSONAL PROJECTS

### MEAN Stack CI/CD deployment using Docker, Github Actions, EC2

- Designed and deployed a containerized MEAN stack application using Docker and Docker Compose, enabling multi-service orchestration for frontend, backend, and MongoDB
- Implemented Nginx reverse proxy with path-based routing
- Deployed application on AWS EC2 with Elastic IP and secure port exposure, ensuring only Nginx (port 80) was publicly accessible
- Configured CI/CD pipeline using GitHub Actions to build images, push to Docker Hub, and auto-deploy updates to AWS EC2

### Deployed Strapi application in AWS using Terraform

- Provisioned AWS infrastructure using Terraform following Infrastructure as Code (IaC) best practices
- Created a custom VPC with public subnets for an Application Load Balancer, NAT gateway and private subnet for EC2 instance
- Configured Application Load Balancer (ALB) to route traffic to the Dockerized Strapi application

### Deployed a Three tier scalable web application in AWS

- Designed and deployed a highly available web application on AWS using EC2, RDS (Multi-AZ), VPC ensuring fault tolerance and reliability
- Implemented security best practices using IAM (least privilege) for controlled access

## EDUCATION

### BE in Electrical and Electronics Engineering

#### College of Engineering Guindy, Anna University

2016 - 2020

Chennai, TN

##### CGPA

- Graduated with 7.36 CGPA

### Grade 12 and 10

#### Saratha Hr. Sec School

2014 - 2016

Modachur, TN

##### Percentage

- 94.08 % and 98.20 %

## SKILLS

Cloud: AWS

EC2

S3

VPC

IAM

DevOps & tools:

Git/Github

Docker

CI/CD

IaC : Terraform

OS: Linux(basics)

Scripting : Python(basics), Bash/Shell

Networking fundamentals

Monitoring

Security best practices

Database(basics)

## ACHIEVEMENTS

Achieved Five star Gold tier rating in AWS cloud Job readiness program by Cultus Edu tech

## CERTIFICATES

AWS Certified Cloud Practitioner  
(01/2026 - 01/2029)

AWS re/start graduate

## SOFT SKILLS

Excellent Communication

Analytical thinking

Problem solving

Continuous learner

Adaptability

Team player

Leadership

## LANGUAGES

English

Full Professional Proficiency

Tamil

Native or Bilingual Proficiency

Hindi

Elementary Proficiency