

INDIRA KUMAR PANNEERSELVAM

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— Portfolio

Professional Summary

Detail-oriented AWS DevOps and Cloud Engineer with hands-on experience in designing, deploying, and managing scalable cloud infrastructure on AWS. Skilled in CI/CD automation, containerization, Infrastructure as Code (IaC), Kubernetes orchestration, and cloud-native application deployment. Experienced in Linux administration, monitoring, automation, and implementing secure, highly available architectures using modern DevOps practices.

Technical Skills

Cloud Platforms

AWS (EC2, S3, VPC, IAM, RDS, Aurora, ELB, Auto Scaling, CloudWatch, CloudTrail, SNS, SQS, SES)

DevOps Tools

Jenkins, GitHub Actions, Docker, Kubernetes, Terraform, CloudFormation, Ansible

CI/CD

CodePipeline, CodeBuild, CodeDeploy, Git, GitHub, Automated Deployment Pipelines

Monitoring

Prometheus, Grafana, CloudWatch

Networking

VPC, Subnets, Route Tables, NAT Gateway, Internet Gateway, Security Groups, Load Balancer

Operating Systems

Linux Administration, Bash Shell Scripting

Programming

Node.js, JavaScript, React.js, Express.js

Databases

MongoDB, RDS, Aurora

Tools

Platforms

VS Code, Postman, GitHub, Docker Desktop

Soft Skills

- Strong Problem-Solving Ability
- Effective Team Collaboration
- Excellent Communication
- Adaptability to New Technologies
- Time Management
- Quick Learner

Professional Experience

Pinesphere Incubation Center

Sept 2024 – Sept 2025

UI/UX Designer & Full Stack Developer

- Collaborated with development teams to design and deploy responsive web applications.
- Worked with MERN stack applications and cloud deployment platforms.
- Participated in application hosting, deployment workflows, and performance optimization.
- Supported development and deployment activities using Git and modern development tools.
- Assisted in improving application usability and frontend performance.

Internship

PUMO TECHNOVATION

Jan 2026 – Present

AWS Cloud Computing, DevOps, Backend Development (Python)

- Deployed cloud-based applications using AWS Elastic Beanstalk and Python Flask.
- Worked with EC2, RDS (MySQL), and VPC to design scalable backend architectures.
- Gained hands-on exposure to DevOps practices including monitoring, auto scaling, load balancing, and IAM security.

Projects

AWS 3-Tier Architecture Deployment

- Designed and deployed scalable 3-tier architecture using AWS EC2, RDS, and S3.
- Configured Application Load Balancer and Auto Scaling for high availability.
- Implemented secure networking using VPC, Subnets, Route Tables, NAT Gateway, and Security Groups.
- Integrated CloudWatch monitoring and alerting for infrastructure visibility.
- Applied IAM roles and policies for secure access management.

Cloud-Native Retail Store Microservices Platform on AWS

- Built cloud-native microservices architecture using Docker and Kubernetes.
- Developed automated CI/CD pipelines using Jenkins and GitHub Actions.
- Provisioned infrastructure using Terraform and AWS CloudFormation.
- Implemented centralized monitoring using Prometheus and Grafana.
- Integrated AWS services including SNS, SQS, and SES for communication workflows.
- Managed container deployment and orchestration for scalable application delivery.

Food Cart Web Application (MERN Stack)

- Developed and deployed a full-stack food ordering platform using MongoDB, Express.js, React.js, and Node.js.
- Implemented responsive UI and optimized frontend performance.
- Managed backend deployment and cloud database integration.

Core Competencies

- AWS Cloud Infrastructure
- DevOps Automation
- CI/CD Pipeline Implementation
- Infrastructure as Code (IaC)
- Containerization & Orchestration
- Linux System Administration
- Monitoring & Logging
- Cloud Security Best Practices
- High Availability Architecture

Certifications

- Masters in UI/UX Design Sept 2024 – Nov 2024
- Certified in MERN Stack Jan 2025 – Mar 2025
- Masters in AWS Cloud & DevOps Oct 2025 – May 2026
- Internship at PUMO Technovation

Education

Bachelor of Engineering in Computer Science

Annai Teresa College
CGPA: 7.21

2013 – 2020