

Contact

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Education

2025-Present (till 2026 JAN)
Masters of Research in Management
University Of Central Lancashire (UCLAN)

2016-2020
Bsc. Hons. Computing Network Engineering
University of Northampton - NAMI College
Graduated with First Class Honors.

Hands on

Azure Devops, Gitlab CI, Terraform
Docker, ECR,
Resilience Architecture Design, Cloud Panel

Intermediate Knowledge

AWS Code pipeline, Kubernetes, Gitlab-CI, EMR monitoring, Hadoop Cluster, Vagrant, Azure VDI monitoring, python, Zendesk SSO,

Certifications

AWS Certified AI Practitioner (2025)
Validation ID:
799aad6411c64f36bdb9c179bc216906

AWS Certified Solution Architect Associate (2023)
Credential ID: 8ZDVVQQ1VFFQ1EG8

AWS Certified Cloud Practioner (2022)
Credential ID: T1Y0F0C2YF1E1QGL

OCI Certified Architect Associate (2021)
(Oracle University)
Credential ID: 6602113OCIAA2021CA

Routing Technology and Net. Sec. (2018)
(Aptech)
• CCNA Training

Other Interesting Stuffs

- Trainer** : Led the AWS Workshop at The British College:
 - Major Topics: AWS services, HA, FT, Serverless, IAC
 - Terraform Labs conducted
- Teaching Assistant** at PCPS college (affiliated to University of Bedfordshire)
 - Subject : L4 Systems Development And Modern Database Practices

Kaustuv Prajapati

Devops & Cloud Engineer

Motivated DevOps Cloud Engineer and a with years of hands-on experience in cloud infrastructure management, automation, and system optimization. Skilled in AWS, Terraform, Kubernetes, and CI/CD pipelines, I focus on enhancing system security, scalability, and efficiency. Passionate about driving operational impact through innovative solutions, I am also keen on integrating cloud expertise with financial oversight, particularly in FinOps, to deliver high-performance systems in dynamic environments.

Experiences

2024 April - 2024 October
Yirifi.ai | Singapore (Part time)

DevOps Engineer

Key Technologies: Github, Terraform, Hashicorp Vault, Hostinger, AWS

- Github Administration**
 - Initiate and lead the GitHub Compliance Project using Python, automating organization-wide configuration management, reducing manual errors by 30%.
 - Automated operation/management of onboarding/offboarding, branch protection, CI/CD pipelines, and user/team permissions, enhancing operational efficiency by 25%.
- Hashi-corp Vault Administration**
 - Configured and host Vault on a VPS with AWS integration (Python/HCL), establishing a token-based AWS credential access system that met compliance standards, cutting unauthorized access risks by 40%.
 - Implemented dynamic access control policies using orphan and parented tokens.
- ISO/MAS Compliance Evidence**
 - Designed and deployed custom AWS Config templates via CloudFormation, enforcing company policies across infrastructure, achieving 100% adherence to MAS (Singapore) and ISO standards.
 - Streamlined evidence collection, reducing compliance audit prep time by 20%.

2022 November - 2024 August
Techkraft Inc. | Chakupat, Lalitpur. (Contractor of Abacus Insights)

Software Engineer 3 (Dispatch Engineer)

Key Technologies: Gitlab pipelines, Container Scanning Trivy, Seiji (In-house tool), Terraform, python

- Maintained Git Compliance Project**
 - Maintained a centralized security policy codebase in GitLab, enforcing dynamic compliance across 200+ repositories and mitigating human errors and misconfigurations that expose security vulnerabilities, resulting in a 35% reduction in security risks.
- Project & Pipeline Migration**
 - Automated upgrades for pipeline runners across 200+ projects, boosting update efficiency by 500%. Led Python 3.7-to-3.11 migration, resolving dependencies and vulnerabilities, ensuring zero downtime across unit-tested systems.
 - Automated periodic updates and integrated multi-artifact scanning, cutting compliance reporting time by 20%.
- Serverless Backend Design**
 - Designed a secure, serverless backend for an S3-hosted static website with multi-environment support, implementing VPN authentication and data encryption, enhancing security.
 - Automated Lambda layer deployments, reducing manual effort by 25%..
 - Deployed scalable, decoupled applications and ensured robustness.
 - Collaborated with cross-functional teams for timely and successful deployments.

DevOps Engineer (SWAT Team)

Key Technologies: AWS, Azure, Terraform, Python, Groovy, Node.js, GitLab CI/CD, AWS Serverless, Ansible, SonarQube.

- Jira Automation and Payroll Integration Project (Lead/Architect)**
 - Architected a serverless AWS data pipeline integrating Jira with Replicon payroll using Groovy (Script Runner) and Python Lambda scripts, automating user activity tracking and reducing manual processing by 40%.
 - Developed & deployed Terraform IaC with in-house deployment tool and shell scripts, cutting setup time by 300%.

Freelance

- Digital Cloud Solutions | London (2025)
 - Teaching Cloud and Devops
 - Interview Support
 - Cloud/Devops Video, Architecture, labs.
- Digo Solutions | Nepal (2024)
 - Scripting Automations
 - Java App Pipeline
 - VPN configs
 - Cognito - Zendesk setup

Personal Projects

- Kde Widgets Development

VISA Status :

Student Visa 20hr work per week.

Vacations:

5th April 2025 – 21st April 2025

19th July 2025 – 27th July 2025 and 16th

August 2025 – 28th September 2025

13th December 2025 – 4th January 2026

- Seamlessly integrated AWS services (EventBridge, Lambda, S3, SNS, SQS, AWS Glue, DynamoDB) to create a resilient, event-driven architecture; improving event-handling efficiency by 30% and ensuring zero downtime during peak loads.
- **Azure DevOps CI/CD deployment for HRMS NodeJs Application**
 - Developed a CI/CD pipeline for a Node.js-based HRMS application, incorporating a hybrid cloud approach and integrating SonarQube for SAST to bolster code security.
 - Automated server setup and patching with Ansible, boosting operational efficiency by 20%.
- **Data ingestion pipeline development and maintenance (python)**
 - Developed and maintained a Python-based data ingestion pipeline, incorporating ICM and MDM. (Bug Fixes and Features adding)
 - Coordinated microservices deployment and versioning, alongside managing Git operations for robust system performance and documentation.
- **Cross-Functional Support**
 - Collaborated with SWAT team to troubleshoot and deploy solutions, ensuring robust system performance and seamless stakeholder coordination.
 - Onboarding new Hire, Device setup, Onboarding documentation preparation, Security Training and Review development.

2019 November -2022 October

Ambit R&D Pvt. Ltd | Madhyapur-Thimi, Bhaktapur Application Developer

Worked with the technologies like Laravel, October-CMS, TypeScript, Flutter, PL/SQL.

Involved in Backend development and Mobile Application development in hybrid technology.

- Engaged in Agile-driven project management for systems in accounting and industrial management, including requirement analysis and design.
- Implemented tests for real-time financial processing and utilized PLSQL for database efficiency and optimization.

Backend Developer Associate

Worked with the technologies like Java, JS, Laravel

Exposer to my IT industry as a Laravel Intern then hired as full-time developer after 2 months of intern period.

- worked on a high-profile government project for Pokhara (ward-5), infrastructure setup, software training, maintenance of digital recommendation (सिफारिश) system, and data collection survey system for the digital national ID of Pokhara.
- developed and maintain id/atm card printer (zip-3) application in java-8 (for banks) and on web technologies for various hotel chains such as Siddhartha Cottage.

References

Deepak Kumar Karna

Manager/Principal Software Engineer, Techkraft Inc.

Module Leader, NAMI College

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