

**Rajeev Neupane**

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## Professional Summary

Linux Systems & DevOps Engineer with hands-on experience supporting Linux environments, administering container platforms, developing automation using advanced scripting languages, and building cloud-native infrastructure using IaC. Strong foundation in AWS, Terraform, CI/CD, and Agile methodologies. Experienced in system design, troubleshooting, backend development, and secure cloud deployments. Passionate about automation, scalable infrastructure, and modern DevSecOps practices.

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## Technical Skills

**Linux & Systems Engineering:** Linux administration, system design, troubleshooting, system evaluation

**Containers:** Docker, Kubernetes, EKS

**Scripting & Automation:** Bash, Python, Ansible, Terraform, JSON, SQL

**Infrastructure as Code:** Terraform, CloudFormation

**Cloud Platforms:** AWS (Lambda, EC2, S3, IAM, VPC, DynamoDB, CloudFront), Azure (basic knowledge)

**DevOps Tools:** GitHub Actions, CI/CD pipelines, API Gateway, OpenSearch, vulnerability scanning tools

**Software Development:** Java, backend APIs, RESTful services

**Build & SDLC:** Agile, Scrum, version control, complex build systems

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## Experience

### Software Developer | Bank of America

**March 2021 – May 2023**

- Administered and managed Linux-based systems as part of cloud, container, and application hosting projects.
- Deployed and managed containerized applications using **Docker** and **Kubernetes/EKS**, including networking, scaling, and troubleshooting.
- Developed advanced automation scripts in **Python**, **Bash**, and **Ansible** to orchestrate cloud resources and streamline system operations.
- Implemented Infrastructure as Code (IaC) using **Terraform** to provision AWS services and automate deployments.

- Built CI/CD pipelines using **GitHub Actions**, integrating security scans and automated testing.
- Supported complex cloud build systems and backend pipelines for personal and academic projects.
- Configured security tools and worked with dependency scanning and vulnerability reports to improve system security.
- Developed Java-based backend components and API integrations.

## **Software Developer (Student Assistant) | East Central University – Ada, OK**

**Aug 2018 – Dec 2019**

- Developed automated workflows and business processes using scripting (JSON, SQL) and system integrations.
  - Supported system design, testing, and troubleshooting across various campus software applications.
  - Built and enhanced backend logic to integrate administrative systems with Ellucian Banner.
  - Collaborated with technical teams using Agile-like iterative approaches.
  - Documented processes and provided training to end users.
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## **Projects**

### **Cloud Resume Challenge ([test.razcloudresume.click](https://test.razcloudresume.click))**

- Built a full serverless stack using **AWS**, including API Gateway, Lambda, DynamoDB, Route 53, S3, CloudFront, and Terraform.
- Implemented CI/CD with GitHub Actions for automated deployments and testing.
- Wrote custom Python scripts and IaC modules to automate infrastructure provisioning.

### **MilletBakery – Cloud-Native Bakery Ordering Platform([milletbakeryhouse.com](https://milletbakeryhouse.com))**

- Designed and developed a Java-based backend hosted on AWS, leveraging EC2, S3, API Gateway, and IAM for secure and scalable operations.
- Implemented a REST API in Java to handle product listings, order processing, and customer interactions.
- Automated infrastructure deployment using Terraform, including EC2 provisioning, networking, security groups, and storage.

- Deployed application behind an Elastic Load Balancer to improve reliability and scalability.
  - Built CI/CD workflows using GitHub Actions to automate testing, packaging the .jar file, and deploying updates to AWS.
  - Configured an S3 bucket to store build artifacts and integrated automatic application startup scripts on EC2.
  - Tuned Linux server performance and automated startup of the Java application using systemd.
  - Ensured security through IAM roles, parameterized configuration, and environment-based access controls.
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## **Education**

### **Bachelor of Science in Computer Science**

East Central University – Ada, OK

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## **Certifications**

- AWS Certified Solutions Architect – Associate([https://www.credly.com/badges/9bd559bf-218c-433b-849f-545a802c4743/public\\_url](https://www.credly.com/badges/9bd559bf-218c-433b-849f-545a802c4743/public_url))
- AWS Certified Developer – Associate ([https://www.credly.com/badges/439e0798-4957-4571-9361-7e31065d35a7/public\\_url](https://www.credly.com/badges/439e0798-4957-4571-9361-7e31065d35a7/public_url))
- AWS Certified DevOps Engineer – Professional ([https://www.credly.com/badges/68b49110-8e14-4865-9d4b-13152779acca/public\\_url](https://www.credly.com/badges/68b49110-8e14-4865-9d4b-13152779acca/public_url))
- AWS Certified AI Practitioner ([https://www.credly.com/badges/5d1e8c0f-b6c2-4fd6-a4c8-99556e827645/public\\_url](https://www.credly.com/badges/5d1e8c0f-b6c2-4fd6-a4c8-99556e827645/public_url))
- Terraform Associate ([https://www.credly.com/badges/d62cfedd-f84c-4152-ae55-fd758cc832ba/public\\_url](https://www.credly.com/badges/d62cfedd-f84c-4152-ae55-fd758cc832ba/public_url))