

Nahid Hasan Riad

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Summary

Computer Science graduate and systems engineer with nearly 3 years of experience in IT infrastructure, system administration, and network support. Passionate about transitioning into a full-time DevOps role. Skilled in Linux (Ubuntu, Kali, Debian), Python scripting, and infrastructure automation using modern DevOps tools. Demonstrates strong problem-solving ability and eagerness to learn Kubernetes, cloud-native technologies, and CI/CD workflows. Actively building skills in containerization, monitoring, and cloud computing with a long-term goal to become a DevOps expert.

Professional Experience

Executive ICT (Systems & Network)

12/2021 – present

NHT Engineering Ltd. (Concern of Pacific Jeans Group)

- Maintained 99% uptime for 70+ users by administering Linux/Windows systems.
- Resolved service requests in 15–30 minutes on average, improving user satisfaction by 90%.
- Configured over 150 computer systems and peripherals, increasing efficiency by 30%.
- Performed regular backups and inventory updates; reduced recovery time to <2 hours.
- Mentored new IT staff on system protocols and troubleshooting best practices.

Back Office & Logistics Executive

09/2021 – 12/2021

Janani Computers

- Maintained CCTV and network systems, ensuring 90% operational readiness.
- Handled ERP systems and coordinated with sales for optimized data processing.
- Performed hardware troubleshooting, resolving 90% issues within 24 hours.

Skills

Linux Skills

- Moderate proficiency in Linux system administration (**Ubuntu, Kali, Debian Based Distros**)
- comfortable with shell scripting, package management, system services, and troubleshooting.

Networking

- CCNA-level concepts, TCP/IP, VPN, HTTP/HTTPS, FTP, SSL/TLS

Containers & Orchestration

- Docker (hands-on), Kubernetes (basic knowledge)

Monitoring

- Basic usage of Grafana, Prometheus (learning stage)

Databases

- MySQL, PostgreSQL (basic admin),sqlite(Flask)

Operating Systems

- Linux
- Windows
- Android

Cloud & Virtualization

- AWS (basic), Oracle Cloud, VirtualBox, VMware

Infrastructure as Code

- Familiar with Ansible and Terraform (learning phase)

Scripting & Programming


- Bash, Python

Tools & Technologies


- Git, vscode, ticketing tools

Projects

Oracle Cloud Always Free Auto-Launch Automation

- Forked and enhanced a GitHub project targeting Oracle Cloud Infrastructure (OCI) capacity errors
- Implemented automated CI workflow using GitHub Actions that checks availability and launches instances via OCI CLI
- Added scheduled and pull request-based test triggers using cron, improving deployment reliability during "Out of Capacity" periods
- **Tools:** Git, GitHub Actions, Shell Script, OCI CLI, Composer, PHP, Linux
- **Source Code:** <https://github.com/naidn4p/oci-arm-host-capacity> 

License Plate Recognition (ML Project)

- Built a License Plate recognition system with 95% accuracy using Python and OpenCV.
- Processed over 1,000 Bangla license plates under diverse conditions.
- **Demo:** <https://www.youtube.com/watch?v=IfbLxEJ8IMg> 
- **Tools:** Python, OpenCV, Linux, Tensorflow, Pandas


VoIP Server

- Set up an internal VoIP communication system on a local network using open-source tools.
- Reduced communication costs by 50% for over 50 users; enabled VoIP on smartphones.
- **Tools:** Asterisk, Linux, Networking Tools, Bash

Online Exam System

- Developed a web-based exam platform supporting 50+ concurrent users.
- Streamlined exam handling for educational institutions.
- **Tools:** Flask(Python), HTML/CSS, MySQL

FastAPI CRUD API with JWT

- Created a RESTful API for user and task management with MySQL backend
- **Tools:** FastAPI, Python, MySQL, JWT
- **Source Code:** <https://github.com/naidn4p/FastApi-FreeCodecamp-Learning> 

Certificates

Data Analysis with Python – FreeCodeCamp [↗](#)

Python for Everybody – Coursera [↗](#)

Foundational C# – Microsoft/FreeCodeCamp [↗](#)

Mikrotik Certification — MikroTik Certified Network Associate (MTCNA) | MikroTik Certified Routing Engineer (MTCRE) | MikroTik Certified Security Engineer (MTCSE)

Education

B.Sc. in Computer Science & Engineering

04/2017 – 04/2021

Port City International University

CGPA: 3.73 | Year: 2021

Diploma in Computer Technology

04/2011 – 12/2016

Chittagong Polytechnic Institute

CGPA: 2.67 | Year: 2016

Languages

Bangla



English

