

# - U J J W A L S A P K O T A -

## DevOps Engineer

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- ▶ I'm a dynamic and collaborative System Engineer with a passion for system development, particularly using Asterisk, VoIP, FreePBX, ARI, and Linux networking. I have a proven track record of optimizing workflows and enhancing efficiency in software development processes. I excel in cloud infrastructure management and automation, utilizing AWS, Docker, and Kubernetes to create robust CI/CD pipelines with Jenkins and GitLab. My experience also includes monitoring systems with Grafana and Prometheus, as well as development with Laravel, Django, Python, JavaScript, and HTML/CSS. I thrive in team environments, fostering innovation and delivering high-quality solutions that consistently exceed expectations.

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## PROFESSIONAL EXPERIENCE

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**EkGhanti Solutions Pvt. Ltd**, Kathmandu, Nepal • DevOps Engineer

08/2022 - Present

- ▶ Successfully deployed a large-scale application on a CentOS server utilizing Docker for containerization, enhancing scalability and portability.
- ▶ Established separate read and write databases on distinct servers, optimizing data handling and access patterns for enhanced performance.
- ▶ Ensured security and compliance by implementing best practices, including regular updates, access controls, and auditing, safeguarding the application and data against potential threats.
- ▶ Leveraged AWS services including EC2 instances, Load Balancers, and Auto Scaling, within a well-architected Virtual Private Cloud (VPC) created using Terraform, optimizing scalability and reliability while efficiently managing networking and security configurations.
- ▶ Designed different asterisk features for SaaS product like SBR (skill bases routing), queues, IVR, predictive call dialing and many more features using asterisk and python Django.
- ▶ Streamlined the development process for faster project delivery through effective collaboration with team members.
- ▶ Assisted junior developers in troubleshooting issues, fostering a supportive team environment that encouraged continuous learning.
- ▶ Delivered consistently reliable software solutions by following best practices in design, coding, testing, and deployment.
- ▶ Contributed to a more efficient workflow by automating repetitive tasks using scripting languages.

- ▶ Reduced system downtimes with proactive monitoring, prompt identification of issues, and swift resolution of problems.

**VimVoxLab. Pvt. Ltd**, Kathmandu, Nepal • Web Developer

08/2021 - 08/2022

- ▶ Skilled in Laravel development with expertise in secure authentication, authorization, and user roles
- ▶ Use GIT to track changes and collaborate with team members on code.
- ▶ Proficient in creating user-friendly admin interfaces, simplifying content management for clients.
- ▶ Strong in optimizing database performance by crafting efficient models and refining queries.
- ▶ Dedicated to codebase maintainability through modular development, code reuse, and thorough documentation.
- ▶ Collaborative team player, experienced in designing RESTful APIs for seamless third-party integrations and enhanced functionality.

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## TECHNICAL SKILLS

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• Bash • Python • AWS • Django • Vagrant • HTML/CSS • GIT • Laravel • PHP • Docker • Terraform • GITLAB • CI/CD • Linux • MySQL • Apache • Nginx • Asterisk • Jenkins

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## EDUCATION

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**Masters in Computer Science** • Texas Int'l College, Kathmandu, Nepal  
2023 – Present

**Bachelors in Computer Application** • Texas Int'l College, Kathmandu, Nepal  
Graduation Year (2018 - 2023)

**High School Education** • Milestone Int'l College, Kathmandu, Nepal  
Graduation Year (2016 - 2018)

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## PROJECTS

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- ▶ Hamro Sath, Doctor Appointment Booking System Epbx System,
- ▶ Developed and Deployed VOIP telephony system using asterisk and Django