

# Vivek Ratna Kansakar

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## Professional Summary

Enthusiastic and results-driven Software Engineer with a focus on data engineering and cloud architecture. Proven expertise in designing and implementing scalable solutions for data processing and application development. Skilled in leading cross-functional teams and mentoring junior colleagues.

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## Work Experience

### Proventus Analytics

Software Engineering Manager

Apr 2024 - Present

- Built and managed high-performing, cross-functional teams of software engineers.
- Provided guidance, mentorship, and career development opportunities to team members.
- Led multiple projects deployment, ensuring timely delivery while maintaining high standards of quality and performance.
- Designed scalable, robust, and maintainable software architectures.
- Encouraged the use of new technologies and tools to improve development processes.

Senior Software Engineer

Jan 2024 - Mar 2024

- Data pipeline development for healthcare projects.
- Optimization of web crawlers.
- CI/CD implementation in Azure Cloud.
- Managing team, projects and sprints.

### GrowByData

Sr. Software Engineer

Feb 2022 - Apr 2024

- Spearheaded data engineering efforts, specializing in data transformation and business logic implementation.
- Architected and developed a custom data pipeline framework leveraging Airflow on AWS ECS, enabling efficient processing of large data volumes.
- Engineered a high-performance HTML file parser capable of processing 20 million files within 6-8 hours.
- Optimized and enhanced data scraping engine, contributing to improved data acquisition processes.
- Led initiatives on Infrastructure as Code (IaC) implementation using Terraform in AWS.
- Conducted research on optimizing data scraping processes through randomized residential IPs.
- Provided guidance and mentorship to junior team members, facilitating their skill development in data pipeline frameworks.

### Bottle Technology Pvt Ltd

Sr. Software Engineer

July 2020 - Feb 2022

- Led system architecture and development efforts for a stock brokerage application and a news organization web/mobile application.
- Developed a project management platform integrated with Jira and AWS services, utilizing Python and serverless architecture.
- Designed CloudFormation templates for automated deployment of AWS services, optimizing resource allocation and reducing costs.

- Managed AWS IAM access policies and Organization Unit for multiple projects, ensuring secure and efficient cloud operations.

## **Bottle Technology Pvt Ltd**

Software Engineer (IoT Team Lead)

May 2018 - June 2020

- Designed and developed an IoT Cloud platform incorporating AWS services like Cognito, IoT Core, and Lambda.
- Led the development of a Device Management System for IoT devices and supervised firmware team activities.
- Implemented firmware solutions using Python for IoT devices, enhancing functionality and performance.

## **Riberal Solutions**

Software Engineer

Nov 2015 - April 2019

- Developed and maintained Android applications, along with cross-platform applications using Xamarin Framework (C#).
- Conducted research and development for IoT embedded systems, including firmware development in C/C++ and Python.
- Set up IoT cloud platforms such as ThingsBoard, Thingworx, and Azure IoT Platform, enabling seamless device connectivity and management.

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## **Skills**

Programming Languages: Python (primary), Java, C#

Frameworks and Tools: Serverless, FastAPI, Flask, Docker, Terraform, Celery, Apache Airflow

Databases: Redshift, MongoDB, PostgreSQL, Redis

Cloud Platforms: AWS, Azure

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## **Education**

**Bachelors In Electronics And Communications:** Kathmandu Engineering College

**Higher Secondary School:** Prasadi Academy

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## **Certificate**

**AWS Certified Solutions Architect - Associate certificate**

**Validation Number:** CRB1MBZ27NRQ1150