

# LAKPA SHERPA

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Diligent software engineer with 3+ years' experience in commercial application development. Proficient at learning new skills and their implementation. Creative problem-solver and logical thinker. Eager to join your company to build innovative and cutting-edge business solutions for the impressive suite of clients within its global reach with team of world-class engineers, and creative innovators.

## SKILLS

- Adaptability, Teamwork, Interpersonal communication skills
- Agile frameworks, Status tracking frameworks (Jira)
- Python, PHP, JavaScript, Shell Script
- Flask, Laravel
- MySQL, PostgreSQL, Redshift, Redis, MongoDB
- S3, EC2, Amazon RDS, Amazon Aurora, Redshift, etc.
- Celery, RabbitMQ
- Hadoop, Hive
- Git, Linux, ETL

## EXPERIENCES

**Software Engineer** | GrowByData Services

*Mar 2021 – Jun 2022*

Worked as Software Engineer and gave support to Competitor Price Intelligence (CPI) and Ads Intelligence system.

- Build ETL application to extract data from various sources (like DataforSEO, in house Scraper API, Client's Database, REST API's etc.), clean and standardize data to apply business transformation logic based on rules set by client's application and load to warehouse applications for further analysis.
- Develop efficient data pipeline for large scale data extraction and processing framework.
- Identify bottlenecks and bugs, and devise solutions to mitigate and address the issues.
- Help maintain code quality, organization, and automation.
- Work closely with cross functional teams to integrate amazing innovations and algorithms to production system.
- Programming (coding, debugging) the software modules per business requirements
- Support the client-support team when needed with technical or feature aspects.
- Additional responsibilities include maintaining automation periodic backups, importing/exporting data to other systems, reporting, monitoring, and troubleshooting.

**Associate Software Engineer | GrowByData Services***Dec 2018 – Feb 2021*

Worked as Associate Software Engineer and gave support to Competitor Price Intelligence system (CPI).

- Design, build and maintain efficient, reusable, and reliable code for developing next generation data infrastructure.
- Add-on to features required for Application providing ETL services. Building pipeline to load aggregated data to BI applications based on Amazon S3 and Amazon Redshift.
- Developer of core product team that create and enhance reports to provide business Insights on Ads and Competitors prices reports which helps client make decisions on product marketing strategies.
- Developing report API with Redis cache for BI reports including auto trigger report Caching system.
- Report performance optimizations by integrating Aurora PostgreSQL as Cache Database.
- Professional working experience with AWS Services like S3, Athena, EC2, Aurora PostgreSQL, Redshift, etc.
- Worked on coordination with senior team members to fix the bugs and enhancement of the products regarding competitor price intelligence.

**BI Developer | Icon Associates***Sep 2020 – Feb 2021*

Worked as BI developer and prepared dashboards, reports and data visualizations to the business needs of the convergence solutions on survey data of Country in Oceania.

- Designed and developed a business analytics module using Highcharts and Tableau development tool.
- Perform SQL queries - design, code, test, and aggregate the results to create useful information.
- Created Star Schema for BI application to optimize the report performance and write technical documents on database content.

**Intern Software Engineer | GrowByData Services***Sep 2018 - Dec 2018*

Completed internship as PHP Laravel developer and gave support to Competitor Price Intelligence application (CPI).

- Develop and enhance internal report dashboard.
- Optimize export feature on the large report.
- Develop flask-based Mailing API for job completion alert.

**PROJECTS****NEPSE Insights App | Self**

This mobile app provides information related to share Market of Nepal by scraping data from official website and various News portal to generate report and alerts about scrips.

**EDUCATION****Big data Analytics | Lambton College***Sep 2022 – Present*

- Deep dive into the core concepts of Big Data Technology Solutions with hands-on practices in business process modeling, data analysis, and data modeling.
- Hands on experience on different big data tools such as Hadoop, Apache Spark, Pig, etc. Introduced to analyzing, parsing, splitting, modifying, and identifying key correlations between large and diverse data sets.

**BSc. Computer Science and Information Technology | Tribhuvan University** *2014 - 2018*

- Equip with the technical knowledge required to handle multi-tasking and multi programming situations and to assess and develop computer-based solutions.
- Built a recommendation system using Nearest Neighbor as a college project to recommend books for users based on a KNN model which is trained using the book rating data provided by Kaggle.

**CERTIFICATION**

- Data Engineer by Mangtas
- Big Data Analytics with Hadoop and Apache Spark by LinkedIn Learning