

LEKHNATH PARAJULI

Software Engineer

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EXPERIENCE

Software Engineer - Consultant

Target Integration

📅 Aug 2022 – Present

📍 (Remote)

Python | React NextJS | GraphQL | Docker | Elasticsearch

Leadership and Team Development

- Spearheaded technical initiatives to resolve release blockers, implement HotFixes, optimize CI/CD pipelines, and ensure the stability and performance of 8+ microservices.
- Oversaw the growth of an offshore team from 0 to 10+ members, managing recruitment, interviewing, and team development while fostering cross-functional collaboration and overseeing projects from initiation to successful delivery.

Scalability and Performance Engineering

- Engineered an Event-driven, asynchronous Celery task system, implementing 50+ pipelines with 200% faster processing and 400–500% better CPU/memory efficiency. Optimized high-throughput workloads, minimizing and ensuring resilient execution.
- Pioneered enterprise search architecture with Elasticsearch DSL, achieving performance improvement 80% while implementing sophisticated permission controls and custom relevance algorithms, transforming the accessibility and security of cross-departmental data.
- Designed and implemented distributed caching architecture at Gateway layer, maximizing system throughput by 200% and reducing infrastructure overhead by 65% through sophisticated cache bursting strategies.

Feature Engineering and System Integration

- Implemented Single Sign-On (SSO) with Google and Microsoft, enabling secure and seamless third-party authentication, enhancing system flexibility and user experience.
- Integrated Microsoft 365 Suite, Gmail, Google Calendar, and Facebook APIs to enable seamless third-party service synchronization and cross-platform interoperability.
- Successfully migrated GraphQL protocol to GraphQL-over-WS, reducing latency and enabling bidirectional asynchronous communication over WebSocket connections.

Infrastructure Development and Deployment Management

- Oversaw environmental challenges throughout production deployment, including SSL certificate renewals.
- Streamlined CI/CD pipelines using GitLab CI to automate testing, containerization with Docker, and deployment, ensuring a seamless and efficient release process.

Business Growth and Operational Impact

- Aligned proposed business requirements with existing functionalities, incorporating data and technical risk mitigation.
- Instrumental in company growth, with user numbers jumping from 100 to over 10,000 and MRR increasing from \$3,000 to \$50,000.

EDUCATION

Bachelor's of Science (B.Sc. Hons.) in Computer Science

University of Wolverhampton

📅 Aug 2019 – Nov 2021

SKILLS

Python API SaaS SQL
PostgreSQL Redis Elasticsearch
Docker docker-compose
CRM Development CI/CD Git
Linux AWS Azure WebSocket
TypeScript React NextJS
GraphQL OOP

PARTICIPATION

- Presented technical demos to multiple clients/customers.
- Actively organized and managed bi-weekly internal tech jam session.
- Interacted with clients and troubleshooted their pain areas as swiftly as possible.

LANGUAGES

English Nepali Hindi