

Bishal Sarangkoti

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SUMMARY

Full Stack Engineer with 4+ years' experience delivering high-quality solutions in remote environments. Proficient across HTML, CSS, JavaScript, TypeScript, Java, Python, C#, C++, React.js, Node.js, NestJS, TailwindCSS, Serverless Framework, Micronaut, Lit Element, Web Components. Skilled in integrating AWS services like Lambda, DynamoDB, EventBridge, SQS, SNS, QuickSight, EC2, CodeBuild, CodePipeline, OpenSearch. Experienced in micro-frontends, microservices, event-driven architectures for scalability and performance optimization. Adept at cross-functional collaboration, requirement analysis, project estimation, and aligning with development goals. Strong problem-solving skills and passion for continuous learning.

EXPERIENCE

Full Stack Software Engineer

Plerion

November 2023 - Present, Australia (Remote)

- Collaborated with product owner, analyzing requirements and estimating projects to align with development goals.
- Orchestrated AWS services (Lambda, DynamoDB, EventBridge, SQS, SNS, RDS, Aurora, Step Functions) for scalable cloud solutions.
- Leveraged AWS QuickSight to create insightful reports and dashboards, enabling data-driven decisions.
- Utilized TypeScript, React, Node.js, and Serverless Framework, adhering to best practices for robust applications.
- Contributed to micro-frontends, microservices, and event-driven architectures, optimizing scalability, performance, and maintainability.
- Optimized multi-region SaaS platform login, reducing authentication time from 10s to 3s, enhancing UX. Spearheaded UI/UX improvements for authentication, audit logs, alerts, user management, and offboarding workflows.

Senior Software Engineer

Leapfrog Technology

July 2023 - November 2023, Kathmandu, Nepal (Remote)

- Contributed to an insurance and payment platform, integrating with third-party services like Plaid and Treasury Prime to enable secure financial transactions.
- Leveraged expertise in React, TypeScript, .NET, Auth0, and Twilio to deliver full-stack solutions as a well-rounded developer.

Software Engineer

Leapfrog Technology

January 2022 - July 2023, Kathmandu, Nepal (Remote)

- Actively participated in full project lifecycle - design, development, estimation, code reviews, testing, optimization, deployment, and client communication.
- Conducted knowledge-sharing sessions and comprehensive training for seamless onboarding of new developers.
- Proactively enhanced codebase maintainability and productivity through Javadocs, SchemaSpy Docs, Swagger Docs, and resolving Sonarqube issues.
- Optimized error handling, logging, and notifications by integrating CloudWatch and OpenSearch, improving reliability and monitoring.
- Spearheaded research and POCs for polyglot feature (GraalVM), ALB authentication (Okta), LDAP integration, CxSmile rendering, and cross-account sharing for AWS resources (OpenSearch with Java STS SDK).

Associate Software Engineer

Leapfrog Technology

September 2020 - January 2022, Kathmandu, Nepal (Remote)

- Contributed as a full-stack developer for a major biomedical company in the USA, spanning requirement analysis to feature delivery, utilizing JavaScript, Java, Postgres, and Lit Element.
- Developed robust RESTful APIs using Micronaut and intuitive UIs with Lit Element for biomedical applications.

Freelance Technical Writer

Programiz PRO

September 2021 - December 2021, Kathmandu, Nepal (Remote)

- Researched, collaborated, and wrote clear, step-by-step C++ tutorials for <https://www.programiz.com/>, breaking down complex concepts for diverse audiences while optimizing for search engines through relevant keywords and SEO best practices.

PROJECTS

Leetcode Questions Scraper

<https://github.com/Bishalsarang/Leetcode-Questions-Scraper>

- Wrote an opensource scraper in Python to scrape algorithmic problems from leetcode.com and save as html and epub format.

Recursion Visualiser

<https://github.com/Bishalsarang/Recursion-Tree-Visualizer> • February 2020 - Present

- An open source Python library with more than 100 stars to visualize recursive functions to generate animation and draw recursion tree.

EDUCATION

Bachelors in Computer Engineering

Kathmandu University • Dhulikhel, Nepal • 2016 - 2020

Plus Two

St. Xavier's College • Maitighar, Kathmandu, Nepal • 2014 - 2016

SKILLS

Programming Languages: HTML, CSS, JavaScript, Typescript, Java, Python, C#, C++

Frameworks / Libraries / Tools: ReactJs, NodeJs, Express Js, NestJS, TailwindCSS, Serverless Framework, Docker, Git, Micronaut, Lit Element, Web components, Okta

Database: MySQL, PostgreSQL, DynamoDB

Cloud: AWS, Lambda, Step Function, S3, Event Bridge, SQS, SNS, Amazon Quicksight, EC2, Codebuild, Codepipeline, OpenSearch