



# DIPESH SHRESTHA

## Software Engineer

### Profile

Full-stack Software Engineer specializing in backend and frontend development. Experienced with all stages of the development cycle for dynamic web projects. Well-versed in numerous programming languages including HTML5, PHP, JavaScript, CSS, MySQL. Strong background in OOP and project management

### Personal details

Date of birth  
December 14th, 1998

Nationality  
Nepali

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+977-9841081132

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dipeshshrestha375@gmail.com

Website  
<https://shresthadeepesh.com.np>

LinkedIn  
<https://www.linkedin.com/in/dipesh-shrestha-22836318a>

Github  
<https://github.com/shresthadeepesh>

### Skills

HTML  
CSS  
Typescript/JavaScript  
PHP  
Java  
Database

### Education

Bachelor	2017 - 2021
Prime College, Kathmandu	
High School	2015 - 2017
United Academy, Lalitpur	
School	2000 - 2015
Whitefield Higher Sec. School, Kathmandu	

### Employment

<b>Software Engineer</b>	Dec 2022 - Present
Whitehat Engineering	
<ul style="list-style-type: none"><li>• Developed and maintained reporting solutions using SQL Server Reporting Services (SSRS), providing comprehensive reports to stakeholders.</li><li>• Built a custom reporting system from scratch using Node.js and React.js, leveraging their capabilities for scalable and interactive reporting interfaces.</li><li>• Resolved issues related to report generation, data integrity, and performance, utilizing strong problem-solving skills.</li></ul>	

## Hobbies & Interest

Programming  
Research  
Gaming  
Travel  
AI & Machine Learning  
Computer hardware and IoT

## Achievements

Awarded as a winner in Gham Power's "App Development Challenge".

Published an open source package in packagist, containing CMS.

## Employment

**Software Engineer** Oct 2021  
Fusemachines, Kathmandu - Oct 2022

- Integrated AWS services like Amplify, Elasticsearch, Dynamodb, Lambda functions, S3 storage, and Cognito for authentication and authorization for rapid development.
- Created an application using NextJs as a frontend integrating GraphQL APIs using Apollo.
- Developed GraphQL APIs using NodeJS integrating PostgreSQL and MongoDB as a database. Implemented Redis for query caching and performance improvement. Integrated Minio as objects storage for storing objects.
- Prepared modular applications with federated microservice architecture for horizontal scaling.

**Software Engineer** Sept 2020 - Sept 2021  
Batas Technology, Kathmandu

- Created dynamic web applications utilizing REST API, JWT for authorization and authentication using PHP as a backend technology, utilized RDBMS like Postgres, MySQL, SQLite as a database.
- Integrated REST API for creating a SPA using ReactJs as a frontend.
- Write clean, reusable, and modular code with strong OOP.
- Created as SaaS application using Laravel including licensing and having multiple schemas and localization with support for SEO and indexing.
- Implemented caching using Redis, normalizing, indexing databases for improving query performance, and added CSRF/XSRF tokens for preventing cross-site attacks and adding request timeouts for preventing DDOS attacks.
- Carried out TDD for unit and integration tests to discover errors and optimize code quality and reusability.
- Integrated Continuous development and integration using Docker, Jenkins and Kubernetes, via the CI/CD pipelines.

## Employment

Freelance Graphic Designer / Content Writer Mar 2019 - Jul 2019

Garments Nepal, Kathmandu

- Maintained the eCommerce website with new content, prepared images for publishing on the website using Adobe Photoshop.
- Prevented website from incoming DDOS attacks by implementing Cloudflare and Google Captchas.
- Also, added suitable keywords and meta-data for SEO indexing.

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## References

References available upon request.