

PIYUSH MOHAN PATEL

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Education

Lucknow University

Bachelor of Technology

Aug. 2018 – Jun. 2022

Lucknow, Uttar Pradesh

Relevant Subject

• Data Structures and Algorithms • Object Oriented Design and Programming • Multithreading • Microservices

Experience

10Times

April 2024 – Present

Software Developer - I

remote

- Architected scalable backend APIs for two products using Node.js, Nest.js, and TypeScript.
- Optimized data management with Prisma ORM and PostgreSQL, utilizing Docker for efficient deployment.
- Engineered APIs with CRUD operations and enhanced search functionality using B-tree and pg-trgm indexing, reducing query response times to 500 ms.
- Developed microservices, migrating critical search, suggestion, and location APIs for cross-product use.
- Implemented Bull library in Nest.js for asynchronous tasks, handling email via SendGrid, and file operations with Multer and S3 storage. Utilized PoxyCurl API to extract user data from LinkedIn.
- Managed version control with Git and GitHub, overseeing branch management, merges, conflict resolution, debugging, and bug fixes.

Associate Software Developer

Sep 2023 - Mar 2024 remote

- Upgraded CodeIgniter application from version 2 to version 4. Integrated Doctrine ORM.
- Implemented Shield extension for token-based authentication and authorization.
- Seamlessly migrated PHP 5.6 codebase to PHP 8 using Rector within 3 weeks.
- Enhanced REST API performance by integrating Elasticsearch, achieving an average 36% reduction in response times for data manipulation operations.
- Revamped backend API codebase to incorporate parameter binding, resulting in a 75% reduction in SQL injection vulnerabilities and ensuring data integrity.

MapmyIndia

May 2023 - Oct 2023

Software Trainee

New Delhi, India

- Contributed to a migration project transitioning from Oracle to PostgreSQL, designing specialized functions to ensure data integrity across various tables.
- Engineered high-performance Java Desktop Applications, integrating JDBC, Swing, and NetBeans IDE to optimize data transfer in PostgreSQL databases, achieving a 50% decrease in processing time and enhancing overall system performance.
- Designed applications to facilitate data verification between Oracle and PostgreSQL databases.
- Streamlined migration processes by validating table data and error counts, resulting in a 15% reduction in query execution time.
- Successfully accelerated the migration process, completing a 6-month timeline in approximately 3 months.

Projects

Gym Reservation Bot | *Python, Selenium, Google Cloud Console*

January 2021

- Created a Linux virtual machine to run on Google Cloud so that the program is able to run everyday from the cloud.

Technical Skills

Programming Languages: Java, TypeScript, PHP

Frameworks and Libraries: JDBC, Hibernate, REST API, Java Swing, CodeIgniter, Node.js, Nest.js, Express.js

Database Technologies: Redis, MySQL, Oracle, PostgreSQL, Elasticsearch

Familiar Technologies: HTML, CSS, JavaScript, Desktop Application Development

Tools and Utilities: Visual Studio Code, Postman, Swagger, Prisma ORM, Docker, Git, GitHub, SendGrid

Operating Systems: Windows, Ubuntu