

# MAYANK TRIPATHI

## Software Engineer

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leaveitblank.co

## EXPERIENCE

### Software Engineer

#### rtCamp

Jul 2024 - Ongoing Pune - Remote

- Contributed to the Gutenberg project (WordPress core), optimizing React component rendering and resolving high-priority issues impacting 43% of the web.
- Engineered scalable backend solutions using PHP and developed custom **REST API endpoints** for modular, decoupled applications.
- Collaborated within a globally distributed team, participating in rigorous code reviews and adhering to strict coding standards for security and accessibility.

### Full Stack Engineer

#### Metaverse Ventures Private Limited

Nov 2023 - May 2024 Remote

- Managed project planning, sprint execution, and product delivery.
- Led the end-to-end development of custom web applications for clients, from initial requirement gathering and UI/UX design to final deployment and maintenance.
- Architected and implemented full-stack solutions using **Typescript frameworks (React, Nest.js)** and managed database schemas using **ORM**.
- Optimized application performance using distributed microservice architecture, achieving a 30% reduction in load times, and integrated various third-party services and APIs.

### Software Developer Intern

#### Sarna Automation Systems

Jun 2023 - Jul 2023 Remote

- Developed a real-time trading dashboard using **React** and **Next.js**, collaborating with the team to integrate live data feeds and visualization layers for actionable insights.
- Contributed to the trade execution layer, focusing on robust error-handling and transaction logging for live data feeds.
- Implemented critical system features including an emergency **kill switch**, a way to quickly shutdown the execution system.

## EXPERTISE

RAG Pipelines Distributed Systems

Unit/Integration Testing WordPress

CI/CD & DevOps

## SKILLS

React/Next.js Node.js/NestJS

JavaScript TypeScript AWS

PostgreSQL/Redis dokploy

WordPress Core PHP Docker

Nginx Git Trigger.dev

## EDUCATION

### B.Tech in Computer Science & Engineering

#### VIT Bhopal University

2020 - 2024 Sehore, India

## CERTIFICATIONS

### AWS Certified Cloud Practitioner

#### Amazon Web Services

## EXECUTION

- End-to-End Ownership:** Track record of taking high-ambiguity concepts (Form-Automation, Quotable AI) to production-ready deployments.
- Performance First:** Driven by metrics; achieved 80%+ LCP improvements through SSR/ISR migration and asset optimization.
- Pragmatic Polyglot:** Skilled in choosing the right tool for the scale, from high-concurrency Node.js workers to scalable PHP backend architectures.

# PROJECTS

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## BlackVault – Email Security SaaS

### Client Project

📅 Dec 2024 - Mar 2025

- Developed and launched a **SaaS platform** to scan email server configurations for security vulnerabilities like improper DMARC, SPF, and DKIM records.
  - Built using a **NextJs, Trigger.dev, and a PostgreSQL** database, deployed on Azure.
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## Quotable AI – Powered Kitchen Takeoff Automation

### Venture Project

📅 Sept 2025

- Developed a full-stack SaaS platform that automates kitchen design takeoffs, reducing quotation time from 8+ hours to < 2 min.
  - Built a RAG-based extraction engine using Python and LLMs to cross-reference multi-page PDF technical drawings with spec sheets, achieving 85% accuracy in automated takeoffs.
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## Körteori - Performance & SEO Overhaul

### Freelance Project

📅 Aug 2023

- Led a performance overhaul of the e-learning platform, boosting page load speeds by over 80% through advanced image optimization and migration to Next.js.
  - Implemented **Server-Side Rendering (SSR) and Incremental Static Regeneration (ISR)** to dramatically improve SEO indexing and perceived performance.
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## Async Form Automation Service

### Client Project

📅 Mar 2023

- Engineered an **asynchronous** form-filling service using a producer-consumer architecture with message queues to handle bulk submissions efficiently.
- Built a distributed task queue using RabbitMQ with **Dead Letter Exchanges (DLX)** to manage concurrency and automated retry logic for third-party submissions, handling 100 requests/sec.

# COMMUNITY

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## Open Source Contributor

### React-based Web Editor (Gutenberg - WP)

📅 2024 – Ongoing

- Actively contribute to a major open-source project by submitting pull requests for bug fixes and feature enhancements, focusing on UI components and performance.
  - Participate in code reviews and technical discussions with a global community of developers from leading web technology companies.
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## Technical Team Lead

### Linux Club, VIT Bhopal

📅 Advitya Fest 2023

- Led the technical support team for a major university tech festival, managing event infrastructure and providing on-the-spot troubleshooting to ensure smooth operations.
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# PHILOSOPHY

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*“Embrace continuous learning as the foundation for innovation, understanding that every challenge is an opportunity to grow.”*

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# LANGUAGES

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English



Hindi

