

MOUSUMI SENGUPTA

Software Engineer | Web Applications | AWS | PHP | JavaScript | Performance Optimization

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MS

SUMMARY

I am a Software Engineer with over two years of experience in developing and optimizing web applications. My expertise spans PHP, Laravel, CodeIgniter, JavaScript, PostgreSQL, and AWS. I excel in building dynamic, user-centric solutions that are secure and scalable. With a focus on performance and efficiency, I thrive in fast-paced environments, continuously learning and adapting to the latest technologies.

KEY ACHIEVEMENTS

Improved Video Streaming

Reduced buffering times by 40% through optimized media delivery strategy.

Enhanced IoT Integration

Integrated MQTT, enabling 50% faster IoT data streaming.

Database Performance Enhancement

Improved database query response times by 30% through optimization.

AWS Deployment Success

Led AWS deployment, increasing uptime to 99.9% with robust infrastructure.

EXPERIENCE

Software Engineer III

Bitpastel, India

Kolkata

02/2023 - 01/1970

A company specializing in web application development and cloud services

- Developed and optimized backend-heavy applications using PHP (CodeIgniter, Laravel) and JavaScript
- Designed and implemented REST APIs for seamless data exchange across applications
- Built and managed entire admin panels, ensuring smooth user interactions and backend operations
- Led AWS deployments, creating and configuring EC2 instances, RDS databases, S3 storage, and implementing CI/CD pipelines for automated deployments
- Collaborated with a team of developers, conducting code reviews, performance tuning, and debugging complex issues to enhance efficiency
- Optimized database queries, improving response times by 30% and ensuring high availability

Web Development Intern

Auton Systems Private Limited, India (Remote)

Remote

11/2022 - 02/2023

A technology company focused on innovative web and mobile applications

- Developed and maintained Angular-based web applications, implementing modern UI/UX principles
- Integrated MQTT and WebSocket for real-time data streaming and IoT-based applications
- Implemented HLS live video streaming, optimizing media delivery and reducing buffering time by 40%

EDUCATION

Bachelor of Science - BS

Vivekananda college

Kolkata, India

07/2019 - 08/2022

SKILLS

Amazon EC2, AWS, AWS Lambda, AWS S3, CodeIgniter, CSS, EC2, HTML, IAM, IoT, JavaScript, jQuery, Laravel, Payment Gateways, PHP, PostgreSQL, RDS, REST, S3, Stripe, eBS, Gateway, Gmail, Angular

INTERESTS

Tech Enthusiast

Problem-Solving & Algorithm Challenges (LeetCode, CodeWars)

Continuous Learner

Always eager to explore new programming languages, frameworks, and cloud technologies

Team Player & Mentor

Enjoy collaborating with developers, conducting code reviews, and mentoring junior engineers