

## Contact

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(LinkedIn)  
saibalroy.com (Personal)

## Top Skills

Engineering Management  
SRE, DevOps & Platform  
Engineering  
Amazon Web Services (AWS)

## Languages

Assamese (Native or Bilingual)  
English (Full Professional)  
Bengali (Native or Bilingual)  
Hindi (Native or Bilingual)

## Certifications

IBM Blockchain Essentials V2  
Containerized Applications on AWS  
GitHub Foundations  
Course Completed: Engineering  
Management Fundamentals 101  
Course Completed: Complete Intro  
to Product Management

# Saibal Roy

Engineering Manager | Cloud-Native Solutions Architect | Driving  
Scalable Solutions & Global Collaboration | AWS • DevOps • Full  
Stack | IEEE Mentor | IIIT-B Alum  
Kolkata, West Bengal, India

## Summary

Engineering Manager | Cloud-Native Systems | DevOps & Full Stack  
Leadership

As a passionate Engineering Manager, I specialize in architecting cloud-native, multi-tier web applications and building high-performing engineering teams. With over 12 years of industry experience including 4+ years in technical leadership, I thrive at the intersection of engineering excellence, team empowerment, and strategic execution.

### Leadership & Collaboration:

I lead a DevOps-first team of engineers, driving end-to-end delivery of cloud-based solutions. Collaborating with cross-functional stakeholders across continents, I ensure alignment between business priorities and engineering goals.

### Technical Expertise:

From Java Spring Boot to Nest.js, React, AWS ECS, and event-driven architectures, I bring hands-on expertise in building and deploying scalable applications across diverse tech stacks. My experience spans legal tech, telehealth, and AI-driven platforms.

### Strategic Consulting & Architecture:

I support global teams as a solutions architect including an Australian telehealth company, a US-based legal tech provider, and a Swiss web agency, helping them scale on AWS while ensuring security, compliance, and cost efficiency.

### Mentorship & Community Impact:

As an Industry Mentor with IEEE India Council SMP 2024, I guide aspiring engineers in career development and technical growth. I

believe in building a culture of learning, ownership, and continuous feedback.

#### Execution & Impact:

- Hiring and onboarding DevOps engineers to build a resilient engineering culture.
- Conducting system design discussions using the C4 model and cloud strategy playbooks like Lift-and-Shift and Refactor.
- Running retrospectives and improving communication workflows across REST and event-driven systems.

Let's connect! I'm always open to new opportunities, collaborations, and conversations around engineering leadership, cloud transformation, and mentoring the next generation of builders.

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## Experience

### Techno Exponent (T-Web Exponent Services Pvt. Ltd)

10 years 1 month

#### Engineering Manager (Cloud & Web Apps)

September 2020 - Present (4 years 9 months)

Kolkata, West Bengal, India

#### Key Responsibilities Areas:

- Scaled engineering from 14 to 150+ members as a founding tech leader.
- Spearheaded architecture decisions for scalable, microservices-based SaaS platforms using AWS, Node.js, and Nest.js.
- Partnered with Product and Business teams to align technology with vision and deliver impact-focused solutions.
- Led engineering best practices including CI/CD (AWS CodePipeline, GitHub Actions), automated testing (Jest, Cypress), and clean code enforcement (SonarCloud).
- Introduced containerization (Docker), caching (Redis), and messaging (Amazon MQ for RabbitMQ) strategies across projects.
- Advocated for engineering excellence and performance tuning across API and DB layers (MongoDB, MySQL, PostgreSQL).
- Mentored developers and team leads; fostered a collaborative, growth-oriented engineering culture.
- Hands-on contributions to system design, debugging, deployment workflows, and secure architecture review.

## Senior Software Developer

May 2015 - August 2020 (5 years 4 months)

Kolkata, West Bengal, India

- Developed RESTful APIs and backends using Node.js, Express, NestJS, and Laravel.
- Contributed to multiple frontend integrations using React.js and Gatsby.js.
- Integrated 3rd-party services: SendGrid, Twilio, Stripe, Auth0, Pusher, Zapier, ElasticSearch.
- Championed security practices using OWASP and clean code tools like SonarCloud.
- Led Agile-based sprint planning, estimation, and delivery with tools like Jira, Slack, and Trello.

## IEEE

Industry Mentor in the IEEE India Council Student Mentorship Program (SMP)

August 2024 - December 2024 (5 months)

The IEEE Student Mentorship Program (SMP) 2024 is tailored for students seeking career growth and guidance for higher studies through mentoring from senior academicians and industry experts.

For more information: <https://ieeeindiacouncil.org/iaypc-2024/>

### Key Responsibilities Areas:

- Mentored students toward career clarity, academic goals, and industry preparedness.
- Provided guidance on personality development, research orientation, and professional networking.
- Collaborated with leaders from IBM, Qualcomm, and IIT Guwahati to shape India's future tech talent.

## RABT Technologies Private Limited

2 years 6 months

### Senior Software Developer

April 2014 - April 2015 (1 year 1 month)

Kolkata, West Bengal, India

### Key Responsibilities Areas:

- Created automation scripts and supported legacy code refactoring.
- Actively involved in data modeling and database schema planning.
- Delivered technical fixes and enhancements in a fast-paced environment.

## Software Developer

November 2012 - March 2014 (1 year 5 months)

Kolkata, West Bengal, India

### Key Responsibilities Areas:

- Built ERP-based applications using VB.NET and SQL Server.
- Developed custom CMS modules, reporting tools, and e-commerce features for SME clients.
- Gained early exposure to version control systems (Git, SVN) and deployment processes.
- Collaborated with small teams to analyze client requirements, create wireframes, and deliver MVPs within tight timelines.

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## Education

### International Institute of Information Technology Bangalore

Postgraduate Degree, Computer Science · (June 2023 - June 2024)

### University of Burdwan

Master of Business Administration - MBA, Systems and Operations · (2016 - 2018)

### St. Xavier's College (Autonomous), Kolkata

Bachelor of Computer Application, Computer Science & Application

### NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY (NIELIT)

A Level - Advanced Diploma, Software Engineering, Computer Science & Application · (January 2011 - January 2012)

### NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY (NIELIT)

O level - Business Professional Programmer, Computer Science & Application · (January 2009 - January 2010)