Saibal Roy

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Summary

Multi-skilled Engineering Manager with 10+ years of experience in IT Project Life-cycle & Delivery Models and a demonstrated history of Designing, Developing & Deploying Architecture & Infrastructure for Cloud Native Development, Custom Application Development, and DevOps Activities & Management targeting AWS Cloud.

Conceptualized Agile Delivery & Transformation Framework/Methodologies (Scrum) and implemented it in the project deliveries. Have successfully delivered multiple distributed Agile Projects under challenging environments, starting from Inception to multiple releases with team size of 4-7.

Proficient in developing apps and services by using AWS Services and technologies, including compute, storage, database, security and analytics.

Functional domain experience involves Healthcare, Real-estate CRM, Event Management and Retail.

Stack Overflow: https://stackoverflow.com/story/saibal-roy
GitHub: https://github.com/saibal-roy

Experience

Engineering Manager (Cloud & Web Apps)

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

Sep 2020 - Present (2 years 10 months)
- Worked closely as a core team member from building a startup team of 14 members to 150+ members in the organisation
- Worked closely with business and product teams to understand the requirements, drive design, architecture and influence the choice of technology to deliver solutions working closely with architects and leadership team.
- Build robust, scalable, highly available and reliable systems using Micro Services Architecture and Restful API's based on AWS, Node.js, Nest.js
- Served as a thought leader and mentor on technical, architectural, design and related issues.
- Strong experience in scaling, performance tuning & optimisation at both API and storage layers.
- Worked with remote teams of designers, business analysts, and product managers to estimate and plan projects in an Agile environment.
- Ensured that the team builds high quality software by writing unit and automation tests using Jest and Cypress.
- Interfaced with Product and Operation teams to resolve issues.
- Hands-on experience on different Databases including MongoDB, MySQL, PostgreSQL.
- Recommended caching strategies using Redis, Amazon MQ for RabbitMQ with Java Spring Boot API's for reactive programming in multiple use cases like working with web sockets .
- Worked closely with Continuous Integration and automated testing strategies using AWS Code Pipeline for CI/CD, Github Actions and multiple preview deployments for different environments with Vercel.

- Proactively identify architectural weaknesses and recommend appropriate solutions integrating GITHUB and Sonar Cloud enabling teams to deliver clean code consistently.

Senior Software Developer

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

May 2015 - Aug 2020 (5 years 4 months)
- Agile Development Practices using Jira, Trello, Slack
- Worked primarily on developing backend Rest API using Node.js, Express js, Nest.js (Typescript), and Laravel with frontend on React js, Gatsby js
- Work as a Solution Integrator to deploy business solutions in the process of learning and using the industry best practices like OWASP, Sonar Cloud.
- Third-party integrations with Sendgrid, Twilio, Auth0, Pusher, ElasticSearch, Zapier, Paypal, Stripe, LogRocket, Sentry

Senior Software Developer

RABT Technologies Private Limited

Apr 2014 - Apr 2015 (1 year 1 month)
- Developing data automation scripts.
- Actively taking part in database planning and design.
- Spending long hours understanding legacy codebases and fixing bugs.

Software Developer

RABT Technologies Private Limited

Nov 2012 - Mar 2014 (1 year 5 months)
- Data Migration
- Retrieving data and generating reports with SQL queries and stored procedures.

Education

The University of Burdwan

Master of Business Administration - MBA, Systems and Operations

2016 - 2018
Specialization : Systems and Operations

Licenses & Certifications

AWS Fundamentals: Going Cloud-Native - Coursera

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Docker Essentials: A Developer Introduction - IBM

IBM Blockchain Essentials V2 - IBM

Jira Fundamentals Badge - Atlassian

Certified ScrumMaster® (CSM®) - Scrum Alliance

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Skills

Amazon Web Services (AWS) • NestJS • Laravel • Node.js • MySQL • Git • Docker