Md. Maruf Rahman

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SUMMARY

Senior Software Engineer with 10+ years of experience designing and developing scalable web applications, backend systems, and AI-enabled solutions. **Core expertise in Node.js, React.js, and Next.js**, with additional experience in Angular, PHP, ASP.NET Core, Python, and Go and AWS. Experienced in full-stack architecture, cloud deployments, REST/gRPC APIs, and Generative AI/LLM integrations including RAG, LangChain, Vector Databases, MCP, Agentic Flow Automation(n8n), OpenAI APIs, Vercel AI, and TanStack AI. Known for delivering robust solutions, leading teams effectively, and adopting best practices, with a passion for innovation and emerging technologies.

SKILLS

Frontend: React.js, Next.js, React Native, Angular, Redux, RTK Query, HTML, CSS, Bootstrap, Tailwind CSS, Material UI, TanStack, AG Grid, Socket.IO

Backend: Node.js, NestJS, Express.js, Koa.js, Laravel, PHP (CodeIgniter, Laravel), ASP.NET Core, Python, Go, REST APIs, gRPC, Testing Tools (Jest, Mocha, Chai)

Generative AI & LLM: RAG, LangChain, MCP, Agentic Flow Automation (n8n), OpenAI APIs, Vercel AI, TanStack AI

Cloud & DevOps: AWS (Lambda, S3, DynamoDB, SQS, SNS), Azure, Docker, Kubernetes, CI/CD (Jenkins, Git), Firebase, Twilio

Databases: MySQL, MSSQL, MongoDB, Redis

WORK EXPERIENCE

Spring Rain Private Limited   February 2018 – October 2025
Senior Software Engineer   Hybrid

- Developed and maintained the **Admin Panel** and **Vendor Onboarding modules** for **Site360**, a cloud-based construction site optimization platform. Built the frontend using **Angular** and backend APIs with **ASP.NET Core & Node.js Azure Functions**, ensuring cross-platform reliability, faster deployment, and improved operational efficiency.
- Integrated **Form.io for dynamic** form to capture vendor responses, enforcing mandatory prerequisites before approval, and implemented **Xero Payment Gateway** for onboarding payments.

- Implemented **conditional risk profiling logic**, dynamically rendering questions based on multiple dependencies, which optimized vendor categorization and reduced manual assessment.
- Managed **MSSQL database with Flyway migrations**, ensuring version control and smooth CI/CD pipeline integration.
- Developed and maintained a financial service platform for **Aurae(Clubswan)**, which lets customers to buy and sell crypto and fiat currencies at competitive rates. Built frontend in **React.js** and backend microservices in **Node(Koa.js) with AWS services**, ensuring secure, scalable, and high-performance operations.
- Integrated **Stripe & Jumio APIs**, enabling secure payment processing and automated KYC/identity verification for fintech operations.
- Conducted code reviews, enforced coding standards, and wrote unit tests, ensuring robustness and maintainability.

BJIT LIMITED   **June 2016 – January 2018**
Software Engineer   Onsite

- Designed and implemented a secure, scalable E-learning System using **PHP (Laravel) and MariaDB**, delivering a **dynamic course management platform** for **remote learning** with robust access control.

Attrabit Technologies & Solutions Limited   **February 2013 – May 2016**
Software Engineer   Onsite

- Built and maintained **enterprise healthcare applications** with **CakePHP 3, MySQL, and JavaScript**, supporting **hospital management operations**.
- Developed **patient-doctor modules**, **billing, pharmacy, and inventory systems**, enabling **automation and efficiency**.

EDUCATION

B.Sc. in Computer Science & Engineering   **2008 - 2012**
International Islamic University Chittagong

Higher Secondary School Certificate   **2005 - 2007**
Rajbari Govt. College

Secondary School Certificate   **2003 – 2005**
Rajbari Govt. High School