

MAYANK BHAGYAWANI

Senior Full Stack Engineer | React.js, Next.js, Node.js

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PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 4+ years of experience building production SaaS applications, with strong expertise in React, Next.js, TypeScript, and modern frontend architecture. Skilled in scalable component design systems, frontend performance optimization, and end-to-end testing, backed by GraphQL and Node.js backends deployed on AWS. Also experienced in AI-powered applications, including agentic RAG, LLM integrations, and MCP tooling. Works closely with designers, product managers, and QA in Agile teams, with a track record of measurable improvements in performance, reliability, and developer productivity.

TECHNICAL SKILLS

Programming: JavaScript (ES6+), TypeScript, SQL

Frontend: React.js, Next.js, Material UI, Apollo Client, Vite, design systems, performance optimization

Backend: Node.js, GraphQL, REST APIs, PostGraphile, event-driven services

AI / LLM: Agentic RAG, MCP (Model Context Protocol) servers, vector embeddings, tool calling, prompt engineering, Claude, OpenAI, Langflow

Databases: PostgreSQL, DynamoDB, AWS RDS, Supabase, Apache Iceberg

Cloud & DevOps: AWS (Lambda, ECS, Cognito, KMS, Amplify, S3, IAM, Glue, Step Functions), Docker, CodePipeline, CI/CD, Git, Vercel, Cloudflare

Testing & Monitoring: Cypress (E2E), Sentry, Grafana, Kibana

Practices: Agile/Scrum, code review, technical interviewing, cross-functional collaboration

WORK EXPERIENCE

SysCloud Technologies Pvt Ltd

Jun 2021 – Present

Career progression: Software Engineer Intern → Software Engineer → Senior Software Engineer Hyderabad, India

Senior Software Engineer

Jun 2026 – Present

- Re-architected the SysCloud AI retrieval pipeline from a Langflow visual workflow into a code-based agentic loop with document caching and a context-aware dynamic system prompt, improving AI response time by 60% while raising answer relevance and consistency.
- Built a HubSpot webhook service that ingests newly created customer support tickets and generates AI-drafted responses through an agentic RAG loop, using tool calls for database queries and knowledge-base document retrieval; reduced customer query turnaround time and improved response accuracy.
- Designed and deployed internal MCP (Model Context Protocol) servers for PostgreSQL, AWS CodeCommit, and Azure DevOps on AWS Lambda, adopted company-wide to let engineers query data, review pull requests, and manage work items directly from AI assistants.
- Architected and built a company-wide Infra Portal using React, TypeScript, Node.js, GraphQL, and PostgreSQL, developing reusable UI patterns and workflows for managing Lambda and Step Function configurations; removed the dependency on the SRE team and accelerated deployment workflows by 60%.
- Conduct technical interviews for full stack engineering hires, evaluating candidates on coding, system design, and frontend architecture, and contribute to hiring decisions alongside code review and design feedback for the team.

Software Engineer

Aug 2022 – May 2026

- Designed reusable React component patterns aligned with internal design guidelines and collaborated with designers, product managers, and QA to deliver UI features, improving design-system consistency and reducing feature development time.

- Integrated Cypress end-to-end tests covering critical user journeys into the CI pipeline, reducing customer-reported UI issues by 40%.
- Improved frontend performance through code-splitting, lazy loading, and memoization, and migrated the build system from Create React App to Vite with a Node.js 16 to 20 upgrade, delivering faster page loads and cutting AWS Amplify build time from 16 to 10 minutes.
- Built a Google Chat integration for SysCloud SKY, delivering an interactive AI-powered backup and restore experience without requiring users to log into the application; developed the supporting Node.js event-processing service and integrated Langflow workflows on AWS ECS.
- Built an AI-driven workflow with Claude MCP to triage Sentry errors and auto-create Azure DevOps incidents, reducing daily monitoring effort from 1 hour to 10 minutes.
- Optimized the GraphQL data layer with PostgreSQL materialized views and dynamic query functions, reducing query latency by 40%.
- Implemented secure authentication and session management using AWS Cognito and JWT, including pre-token generation for user-context enrichment, HTTP-only cookie handling, and KMS-based encryption through a reusable Lambda layer.
- Designed an AWS Glue ETL pipeline migrating historical data from PostgreSQL RDS to S3 (Apache Iceberg tables) for scalable querying via Athena, reducing storage costs by 40%.

Software Engineer Intern

Jun 2021 – Jul 2022

- Designed and developed a reusable TypeScript-based UI component library using React, Material UI, and React Table, adopted across 3 applications; packaged and distributed components through AWS CodeArtifact with automated CI/CD via CodePipeline.
- Developed a Node.js service on AWS ECS to ingest Sentry errors and power monitoring dashboards in Grafana and Kibana, giving the team production visibility into frontend failures.

PROJECTS

Founding Teams | *Next.js, Supabase, Stripe, Cloudflare R2, Resend, Sentry, Vercel* foundingteams.ai

- Built and launched Founding Teams, a production marketplace connecting startup founders with talent seeking equity opportunities, migrating the product from WordPress to Next.js and owning the architecture, implementation, and deployment end to end.
- Integrated Supabase for authentication and Postgres data, Stripe for payments, Resend for transactional email, Cloudflare R2 for S3-compatible binary file storage, and Sentry for error monitoring, deployed on Vercel.
- Delivered platform capabilities that secured a partnership with HackerEarth, unlocking access to their 10M+ developer user base to promote the Inception program.

Lead Management Automation System | *Make.com, Google Apps Script, Facebook Ads API* GitHub

- Engineered an end-to-end lead management pipeline integrating the Facebook Ads API, Google Sheets, and Make.com, replacing 2+ years of manual lead processing.
- Implemented scheduled data pipelines, transformation logic, and rule-based lead assignment with automated notifications, saving 60+ hours annually.

EDUCATION

Lovely Professional University, Punjab

B.Tech in Computer Science and Engineering

2018 – 2022

CGPA: 8.32

ADDITIONAL

Faculty, The Art of Living: Conduct group sessions on breathing techniques and meditation, developing public speaking, facilitation, and people skills.