

SIDDHARTH SHARMA

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Technical Lead | Full Stack Engineer | Node.js | Angular | AWS | Generative AI & Developer Tooling

Technical Lead with 8.7+ years of experience designing, developing, and delivering scalable enterprise applications using Node.js, Angular, TypeScript, and AWS. Proven track record architecting micro-frontends, building event-driven cloud services, and driving AI-assisted engineering workflows (Amazon Q, Kiro) to accelerate development throughput and release cycles. Adept at bridging technical designs with business requirements to optimize system stability, performance, and developer velocity in Agile environments.

WORK EXPERIENCE

Truminds Software Systems — Technical Lead

07/2023 – Present

Client: DataFlow Group (Cloud Backend, Verification Services & AI Integration)

- Architected and delivered a cloud-native verification platform using **Node.js** and **AWS (Lambda, API Gateway)**, scaling throughput to handle **100K+ requests annually** with a **35% gain in processing efficiency**.
- Leveraged **Amazon Q** and **Kiro** to drive agentic, spec-driven development, accelerating unit test generation, API boilerplate implementation, and code refactoring workflows.
- Designed asynchronous workflows and event-driven microservices using **Apache Kafka** and **Redis** for distributed caching and pub/sub messaging.
- Engineered resilient REST APIs and cloud services, diagnosing high-load production bottlenecks to preserve high platform uptime.

Client: Luminous Power Technologies (Frontend Architecture & Micro-Frontends)

- Architected the core micro-frontend foundation across multiple enterprise web applications using **Angular (15+)** and **TypeScript**, enabling modular codebases and autonomous deployments.
- Led and mentored a pod of 4 frontend engineers, conducting technical design reviews, enforcing clean architecture patterns, and standardizing frontend release workflows.
- Streamlined automated build and deployment pipelines targeting **Azure Cloud Services**, improving CI/CD velocity and deployment reliability.
- Diagnosed and eliminated client-side performance bottlenecks to enhance Core Web Vitals and ensure cross-platform responsiveness.

Compro Technologies — Senior Software Engineer

07/2019 – 06/2023

Key Clients: CambridgeOne, Vista Higher Learning

- Contributed to the development and architectural enhancement of **CambridgeOne**, a global e-learning platform, leveraging **Angular**, **TypeScript**, and **micro-frontend architecture** to build scalable, modular web applications.
- Designed and delivered **10+ core product features** across content management, learner assessment, and user engagement workflows, supporting a global e-learning user base.
- Integrated **Contentful CMS**, speech recognition engines, and third-party REST services to expand platform capabilities and deliver content seamlessly.
- Built internal developer tooling and implemented logging, monitoring, and debugging workflows to optimize application observability, runtime efficiency, and system reliability.
- Collaborated closely with product managers, UX designers, QA engineers, and backend teams in an Agile Scrum framework to ship high-quality iterative releases.

Maropost India Pvt. Ltd. — Software Engineer

11/2017 – 07/2019

Key Projects: Email Marketing Cloud

- Developed and maintained high-performance web applications for e-commerce and marketing automation platforms using **Vue.js**, **JavaScript (ES6+)**, **HTML5**, and **CSS3**.
- Integrated the **GrapesJS drag-and-drop page builder** and third-party APIs to enable dynamic content authoring and customizable template layouts.
- Built reusable UI component libraries and engineered mobile-first, cross-browser compatible layouts to maximize platform maintainability and user experience.

TECHNICAL SKILLS

Frontend: Angular 15+, Next.js (POCs), TypeScript, JavaScript (ES6+), Micro-Frontends, Vue.js, HTML5, CSS3, Bootstrap, GrapesJS	Cloud & DevOps: AWS (Lambda, API Gateway, CloudFormation, SAM, CloudWatch), Azure Cloud Services, Azure DevOps, Docker, CI/CD
Backend: Node.js, Express.js, REST APIs, Ruby on Rails (RoR)	AI Tooling: Amazon Q, Kiro, Spec-Driven Development, AI-Assisted Debugging
Messaging & Caching: Apache Kafka, Redis, AWS SQS / SNS	APIs & Performance: Swagger/OpenAPI, Third-Party REST APIs, Contentful CMS, Lighthouse, WebPageTest

EDUCATION

Bachelor of Engineering in Computer Science — Chitkara University

2017