

JYOTIRMOY SAHA

Team Lead – IT | Software Engineer & Full-Stack Developer

Building Software, Systems & Secure Digital Infrastructure

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PROFESSIONAL SUMMARY

Team Lead – IT and Software Engineer with 5+ years of experience in full-stack development, enterprise systems, system design, production engineering, AI/LLM integration, Linux infrastructure, networking and application security. Experienced in leading technical delivery, designing and deploying business applications, resolving production incidents, and translating business requirements into maintainable software. Has worked across ERP, CRM, HRMS, LMS, Inventory, POS, Billing, Accounting and GST/compliance systems — 50+ projects for 30+ clients.

PROFESSIONAL EXPERIENCE

Team Lead – IT | Adzguru Exports LLP, Madhyamgram, Kolkata July 2026 – Present

- Lead and coordinate the IT and development team: allocate tasks by priority, review technical approaches and implementation plans, and mentor engineers.
- Plan and oversee technical delivery from requirements to deployment using SDLC, Agile/sprint and Waterfall practices, backed by technical documentation.
- Architect and implement full-stack applications, REST APIs and database structures for enterprise business systems.
- Coordinate production troubleshooting and incident resolution with the team, from root-cause analysis to system recovery.
- Oversee server setup, Linux/Ubuntu environments and deployments; enforce application security and production hardening.
- Implement AI/LLM and AI-agent solutions, collaborate with data-science teams, and translate business requirements into technical solutions.

Senior Developer – IT | Adzguru Exports LLP, Madhyamgram, Kolkata May 2024 – June 2026

- Built and maintained full-stack enterprise applications with PHP, Laravel, React, Node.js and .NET on MySQL, PostgreSQL and SQL Server.
- Developed AI-integrated dashboards, LMS platforms and GST compliance / invoice-matching portals.
- Deployed to AWS EC2 and shared hosting, administered Linux servers over SSH, and troubleshoot production systems.
- Awarded Employee of the Year 2024 for delivery quality and technical depth.

Web Developer | Paperlink Softwares Pvt. Ltd., Salt Lake Sector V, Kolkata July 2023 – April 2024

- Built and customized CRM, ERP, LMS, Inventory and Billing systems (PHP backends, Moodle-based LMS) for diverse clients.
- Handled deployment, maintenance and client support; delivered WordPress/WooCommerce stores as supporting work.

Freelance Developer | Independent / Personal Network November 2021 – July 2023

- Delivered e-commerce platforms, job portals, POS/accounting systems and desktop apps across industries, leading to repeat projects.

Full-Stack Developer | Sunsky Software Technologies (P) Ltd, Kalyani, Nadia February 2021 – October 2021

- Developed ERP, CMS, e-commerce (with Android app) and billing software from scratch.
- Set up and maintained Linux/Ubuntu servers, networking and deployments.

Internships: Sunsky Software Technologies – Web Design & Networking (Sep 2020 – Jan 2021) | IEEE Bombay Section / Alhansat Solutions – Full-Stack Development (Dec 2022 – Feb 2023)

CORE TECHNICAL SKILLS

Languages: PHP • JavaScript • TypeScript • Python • C# • HTML/CSS • SQL

Frameworks & Libraries: Laravel • React.js • Node.js • Express.js • Django • .NET • jQuery • Bootstrap • Tailwind CSS

Databases: MySQL • PostgreSQL • MongoDB • SQL Server • Redis

Cloud & Infrastructure: AWS (EC2, S3) • Linux/Ubuntu Server • NGINX • Apache2 • Docker (basics) • SSH • Server Deployment • CI/CD

System Design: System Architecture • REST APIs • API Design • Database Design • Queue-based Workflows • SDLC • Agile/Scrum • Waterfall • SRS/DFD

AI / ML / LLM: LLMs • AI Agents • Prompt & Context Engineering • LangChain • AI Automation • OpenAI/Claude APIs • AI-Assisted Development

Security & Networking: Application Security • HTTP Security Headers • Input Hardening • Firewall Configuration • Server Hardening • Networking • TCP/IP • DNS

Leadership & Delivery: Technical Leadership • Team Coordination • Project Planning & Delivery • Requirements Analysis • Client & Stakeholder Communication • Production Incident Coordination • Technical Documentation

Tools: Git/GitHub • Figma • Android Studio • phpMyAdmin • ClickUp • WordPress/WooCommerce & Moodle (supporting)

ENGINEERING HIGHLIGHTS

- **AI / ML:** Build LLM and AI-agent workflows with OpenAI/Claude APIs and LangChain using prompt and context engineering, AI automation and structured Markdown implementation plans. Collaborated with data-science teams on Python-based ML workflows (model development, evaluation, pipeline integration).
- **Linux, Infrastructure & Networking:** Set up Ubuntu/Linux servers from scratch; administer over SSH; configure NGINX/Apache, firewalls and deployments on AWS EC2 and shared hosting; troubleshoot DNS, ports, routing and HTTP/HTTPS issues.
- **Application & Server Security:** Apply HTTP security headers (clickjacking, MIME-type, Permissions Policy, referrer controls), sensitive-file protection (.env, .git, backups, dumps, server scripts), input/query hardening against XSS and SQLi, XST prevention, and firewall/server hardening.
- **System Design:** Design architecture, REST APIs, JWT/OAuth authentication flows, database schemas and queue-based workflows; analyze bottlenecks and weigh maintainability and risk-control trade-offs.
- **Enterprise Systems:** Developed ERP, CRM, HRMS, LMS, Inventory, POS, Billing, Accounting and GST/compliance applications, individually and with teams.

KEY PROJECTS

- **Risk-Based Audit (RBA) Framework:** Rule- and ML-assisted fraud detection for Corporate Income Tax, GST and Salary & Wages Tax; collaborated with the data-science team on Python/XGBoost/SHAP modelling and pipelines.
- **Decentralized Agricultural Marketplace (personal, ongoing):** Ethereum smart-contract DApp connecting agricultural producers and buyers; architecture in progress.
- **LMS Platform (v3):** AI-assisted LMS with progress analytics, automated reports and insight dashboards.
- **GST Invoice Matching Portal:** GST compliance platform with invoice matching, real-time mismatch analysis and AI-oriented dashboards.
- **ERP / CRM / HRMS Suite:** Workflow systems for operations, people and customer management.
- **E-Commerce, POS & Billing Platforms:** Web/mobile stores, billing/KOT systems and restaurant POS with accounting modules.
- **Job Portal:** Employer–candidate platform with job posting, application and screening workflows.

EDUCATION

B.Tech in Computer Science & Engineering — <i>Camellia School of Engineering & Technology (MAKAUT)</i>	2021 – 2025
Diploma in COPA (NCVT) — <i>Govt. ITI Kalyani</i>	2019 – 2021

CERTIFICATIONS & ACHIEVEMENTS

Employee of the Year 2024 — Adzguru Exports LLP
PHP & Laravel Certification — Ardent Computech
Node.js REST APIs & AWS Deployment — Euphoria GenX
Introduction to Cyber Security — SkillUp (Simplilearn)
Cryptography & Network Security — NPTEL, IIT Kharagpur (2025)
Generative AI Mastermind — Outskill
Information Technology Application — Govt. of West Bengal
UEMSAT — UEM Kolkata (2018)
Diploma in Fine Arts (Painting) — Pracheen Kala Kendra, Chandigarh (2009–2013), distinction every year

ADDITIONAL

Languages: Bengali (Native), English (Professional), Hindi (Conversational)
Content & Community: YouTube software tutorials (@thecodeingz); technical blogging (jsahassoftware.blogspot.com)
Interests: Finance & stock markets, weight training, open-source contributions