

ABINESH K

Full-Stack Developer | Cloud Engineer

+919159447439 | abineshkalyan2002@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFILE SUMMARY

Full-stack developer with proven expertise building and deploying production-ready AI-powered applications, real-time systems, n8n Automation and scalable cloud solutions. Strong foundation in JavaScript, Python, React, Node.js, and AWS. Passionate about solving complex problems through clean code, modern architecture, and performance optimization. Published researcher in blockchain technology for supply chain authentication.

EDUCATION

B.Tech Information Technology | Sri Sairam Engineering College, Chennai

Oct 2020 - May 2024 | CGPA: 8.1/10

WORK EXPERIENCE

Freelance Full-Stack & Automation Developer | Remote

Aug 2024 - Present

- Built AI-integrated personal assistant and appointment scheduling applications
- Designed and deployed n8n automation workflows, reducing manual operations by up to 60% and improving process efficiency
- Delivered full-stack production-ready systems with authentication, database design, Docker containerization, and AWS-based CI/CD deployment.

Cloud & DevOps Trainee | Besant Technologies, Chennai

Aug 2024 - Jun 2025

- Hands-on training in AWS, Azure, Linux, Terraform, and DevOps practices with focus on infrastructure automation and cloud deployment strategies.
- Building practical DevOps pipelines and mastering containerization techniques to streamline development workflows.

Web Development Intern | Velocity Global Solutions, Chennai

Oct 2023 - Nov 2023

- Authored 8+ technical blogs and tutorials on web development best practices, covering React optimization, REST API design, and deployment strategies.
- Created comprehensive technical documentation that improved developer onboarding and reduced support inquiries.

Web Developer Intern | Zrae Global, Chennai

Apr 2023 - May 2023

- Developed and maintained 5+ responsive websites using React.js frontend and Django backend, ensuring cross-browser compatibility and mobile optimization.
- Collaborated with design team to implement pixel-perfect UI components and improve overall user experience.

KEY PROJECTS

AI Finance Analytics Platform — React | Node.js | LLMs | REST APIs | Vercel

Feb 2026 | [Live Demo Available](#)

- Built AI-powered financial analytics platform generating real-time insights using OpenAI LLMs with secure REST API backend handling 1000+ daily requests.
- Deployed on Vercel with edge functions for low-latency data processing, achieving sub-200ms response times across global regions.

Uraiyadal (Slack Clone) — TypeScript | React | WebSockets | MongoDB | AWS Amplify | Vercel

Dec 2025 | [Live Demo Available](#)

- Developed real-time chat application using WebSockets handling 100+ concurrent users with TypeScript for type-safe frontend and backend code.
- Implemented JWT-based authentication via Clerk, MongoDB persistence with efficient indexing, and Stream API integration for scalable message delivery.
- Deployed dual cloud setup (AWS Amplify + Vercel) for redundancy and optimal global CDN distribution, ensuring 99.5% uptime.

AI Agent Orchestration Platform (Abinex) — LLMs | Event-Driven Architecture | Python | APIs

Jan 2026 | [GitHub Available](#)

- Designed and built AI agent orchestration platform using event-driven architecture enabling autonomous multi-step workflow automation with asynchronous processing.
- Implemented scalable backend services managing complex agent interactions, state management, and real-time event streaming for enterprise automation scenarios.

Blockchain-Based Counterfeit Goods Identification — Blockchain | Smart Contracts | Python | APIs

Jan 2024 | Published in IJNRD (Indian Journal of Novel Research & Development)

- Developed tamper-proof supply chain traceability system using blockchain and smart contracts to verify product authenticity and prevent counterfeiting.

Docker-Based React Static Site Deployment — Docker | AWS S3 | CI/CD Pipeline

Dec 2024 | [GitHub Available](#)

- Built and deployed containerized React application using Docker with automated CI/CD pipeline on AWS S3 for fast, consistent releases.
- Implemented infrastructure-as-code practices enabling one-click deployments with zero-downtime updates and automatic rollback capabilities.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C++, SQL, Shell Scripting

Frontend: React.js, HTML5, CSS3, Tailwind CSS, TypeScript

Backend: Node.js, Express.js, Python, REST APIs, Event-Driven Architecture

Databases: MongoDB, MySQL

Cloud & DevOps: AWS (EC2, S3, Lambda), Azure, Docker, Linux, Terraform, CI/CD

Tools & Platforms: Git, GitHub, Vercel, Render, Clerk, Stream API, LLMs (OpenAI)

Specializations: Full-Stack Development, Microservices, Blockchain, AI Integration, Cloud Architecture

CERTIFICATIONS & ACHIEVEMENTS

- Cloud Computing Fundamentals - NPTEL Certification
- IoT Development for Beginners - NPTEL Certification
- Published researcher in blockchain supply chain authentication (IJNRD Journal)