

Iyappan Samiraj

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PROFESSIONAL SUMMARY

Cloud-savvy **Lead Engineer & Solution Architect** with 5+ years of experience in MEAN/MERN stack development, **DevOps practices in AWS**, and scalable architecture design. Proven expertise in leading cross-functional teams, handling client communications, and delivering secure, high-performance cloud-native applications. Skilled in microservices and monolithic architectures, REST API development, 3rd-party integrations (Calendly, Shopify, Instagram), and infrastructure automation with AWS CDK. Strong background in optimizing **SQL/NoSQL databases (MongoDB, MySQL, PostgreSQL)** and implementing event-driven systems with **Kafka**.

EXPERIENCE

2024 – Present **OPENTURF TECHNOLOGIES**

Hebbal, Bangalore

LEAD ENGINEER & SOLUTION ARCHITECT

- Designed and implemented end-to-end architecture for fintech microservices handling ledgers, vouchers, transactions, deals, onboarding, bizops, tickets, and compliance workflows.
- Championed **AWS-based DevOps practices**, including CI/CD pipelines, automated deployments, monitoring, and secure infrastructure provisioning.
- Led a team of developers, mentored juniors, and facilitated agile ceremonies to ensure timely delivery of projects.
- Collaborated with clients and stakeholders, translating business requirements into technical solutions and ensuring compliance with financial regulations.
- Optimized distributed services with **MongoDB, MySQL, PostgreSQL, and Kafka** for transaction integrity and scalability.

2022 – 2024 **APPXPERTS IT SOLUTIONS**

Reddiyarpalayam, Puducherry

Tech Lead – Full Stack Development (2023 – 2024)

- Mentored junior developers, reviewed code, and enforced best practices for maintainability and scalability.
- Architected and configured AWS infrastructure (EC2, VPC, Lambda, API Gateway, S3, IAM) with **secure, high-availability designs**.
- Integrated **CI/CD pipelines with GitHub Actions** to automate CDK deployments and server configurations.
- Improved team collaboration and **managed client communications**, ensuring transparency and delivery of project milestones.
- Designed event-driven systems using Kafka for asynchronous communication and improved system resilience.
- Led sprint planning and delivery tracking, ensuring on-time releases while aligning with business priorities.

Software Developer (2022)

- Developed full-stack systems using Node.js, AngularJS, and ReactJS for healthcare and real estate platforms.
- Integrated APIs including Calendly, Instagram, and Shopify into customer-facing portals.
- Supported DevOps efforts by assisting with CI/CD and server maintenance.
- Collaborated with clients to gather requirements and translate them into scalable technical solutions.
- Optimized database queries and API performance, reducing response times and improving application scalability.

2020 – 2022 **HATTUSSA IT SOLUTIONS**

Lawspet, Puducherry

Software Trainee

- Built backend engines for large-scale social media data pipelines, enabling faster data retrieval and analytics.
- Designed relational and NoSQL models for both historical tracking and real-time processing.
- Created scalable filtering systems to clean and structure data from 200+ external sources.
- Worked closely with frontend and DevOps teams to maintain deployment readiness.
- Contributed to proof-of-concept projects, showcasing innovative solutions that were later adopted in production.

EDUCATION

2016 – 2020 **Sri Venkateshwaraa College of Engineering and Technology**
B.Tech - Electronics and Communication Engineering

Ariyur, Puducherry

TOOLS & TECHNOLOGIES

- Programming & Frameworks:** TypeScript, JavaScript, Node.js, Express.js, React, GraphQL, AngularJS, Java, Python, SpringBoot
- Databases:** MongoDB, MySQL, PostgreSQL, DynamoDB, Redis, Kafka (event streaming)
- Cloud & DevOps (AWS):** CDK (TypeScript), EC2, Lambda, S3, API Gateway, IAM, VPC, CloudWatch, CloudFormation, Route 53, SQS
- DevOps & Automation:** GitHub Actions, GitLab CI/CD, Bitbucket Pipelines, Nginx, Apache, Docker (basic), RHEL, PM2, Kubernetes
- Architecture & Design:** Microservices, Monolithic apps, Event-driven systems, Secure VPC Design, Serverless, MVC
- Testing:** Jest, Mocha, Chai (unit & integration testing)
- Collaboration & Project Management:** Agile (Scrum/Kanban), Team Handling, Client Communication
- APIs & Integrations:** Razorpay, Stripe, Paytm, Ippo Pay, Calendly, Shopify, Instagram API, Zoom, Google, Microsoft, Paypal, Meta
- Other Tools:** Postman, Git, Jira, Confluence, Swagger, VsCode, WebPack, Redux, Docker, Terraform, Grafana

CERTIFICATION

- Microsoft Certified: Azure AI Fundamentals**