

FAHIM HASAN

CERTIFIED AWS SOLUTIONS ARCHITECT | TEAM LEAD | FULL STACK ENGINEERING LEAD

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AWS Certified Solutions Architect and Senior Full Stack Software Engineer with 11+ years of experience building and scaling cloud-native applications across web, backend, and mobile platforms.

Expert in microservices, event-driven architecture, and modern stacks including Node.js, PHP, Python, Go, Next.js, and NestJS, with strong AWS, Docker, and Kubernetes experience. Proven track record of delivering high-performance SaaS, e-commerce, OTT, and AI-driven solutions while leading teams and designing scalable architectures for global products.

SKILLS

Frontend Development: React.js, Next.js, Nuxt.js, Quasar.js, Svelte, Angular, Redux, Zustand, Vuex, Rxjs, SPA, SSR, PWA, WebRTC, Electron, Tailwind CSS, Bootstrap, Foundation,

Backend Development: Nest.js, Express, Bun, Golang, Django, FastAPI, CodeIgniter, Laravel, Wordpress, RabbitMQ, Apache Kafka, Socket.io, Mail Client, Faker, Stripe, Paypal, In App Purchase.

Database: MySQL, Postgres, MongoDB, DynamoDB, DocumentDB, Redis, Cassandra.

Mobile Development: Compose MultiPlatform, React Native, Flutter, Ionic, Kotlin Android, Swift iOS

Server Experience: AWS EC2, S3, CloudFront, CloudWatch, Route 53, Amplify, SQS, CodePipeline, Lambda, API Gateway, Vercel, Google Cloud, Microsoft Azure, Digital Ocean, Kubernetes, Trigger, Upstash/Downstash, CloudFlare.

Development Tools: Swagger, Postman, Insomnia, Hoppscotch, MySQL Workbench, phpMyAdmin, pgAdmin, MongoDB Compass, Firebase, Supabase, Docker, Android Studio, Xcode, GitKraken, GitHub Desktop, GitHub Actions, Jenkins, ArgoCD, Husky, SonarCloud, VS Code.

Testing & Debugging Tool: Jest, Mockito, JUnit, PyTest, Dtox, Prometheus, Grafana, Sentry, PostHog, JMeter.

PM Tool: Clickup, Jira, Redmine, Basecamp, Trello, Slack, Teams.

AI Tools: Copilot, Cursor, Claude Code, Codex, Stitch (For UI), CanvaAI, Gemini (For OCR), ElevenLabs, Grok

PROFESSIONAL EXPERIENCE

SILICON ORCHARD LIMITED

Team Lead | Fullstack Engineer

Jan 2025 - Present

- Developed Learn By Podcast, an AI-powered podcast generation platform using Next.js, Express, and React Native with AWS-based event-driven architecture.
- Designed scalable service flow with asynchronous processing (queue/event system), enabling automated content generation, media processing, and delivery.
- Built Lawyers2Go, a microservices-based SaaS platform for legal consultancy using Next.js, NestJS, and PostgreSQL on AWS.
- Implemented event-driven communication between services to support booking, consultation workflows, and multi-role user management.
- Engineered Ababil Kiosk, a masjid-focused kiosk platform using React Native, NestJS, and Next.js deployed on AWS EKS.
- Developed cloud-native infrastructure with Kubernetes and Aurora DB for scalable content management and real-time display.

SILICON ORCHARD LIMITED

Senior Software Engineer | Fullstack engineer

Jan 2024 - July 2025

- Created Jonoshokti Social Media Platform with Next.js and Laravel, supporting chat, live streaming, and social feeds.
- Applied event-driven architecture and Kubernetes deployment to handle real-time interactions and large-scale user activity.
- Developed Droppz, a multi-vendor cannabis delivery platform for the US market using React Native, Express, and MongoDB.
- Built scalable backend services and deployed via AWS ECS, supporting vendor management, order processing, and delivery tracking.

NEXKRAFT LIMITED

Team Lead

Feb 2022 - Dec 2023

- Designed and developed fintech, edtech, e-commerce, POS, ERP, CRM, kiosk, and ride-sharing applications using React, Next.js, NestJS, and Laravel
- Implemented microservices architecture with API versioning, improving system scalability and deployment flexibility
- Managed Git workflows, enforced code quality standards, and established CI/CD pipelines using GitHub Actions and Jenkins
- Led IAM configuration, role-based access control (RBAC), and security setup during system design and project initiation
- Collaborated with cross-functional teams to translate business requirements into production-ready applications
- Improved application performance and maintainability through modular architecture and best coding practices

SPINNER TECH SOFTWARE LTD

Senior Software Engineer | Team Lead

Jan 2020 - Dec 2021

- Developed grocery, MLM, super shop, screen sharing, and ride-sharing applications across web and mobile platforms
- Built a full-scale clinical appointment management system including backend APIs, web dashboard, and mobile applications

BIZBRAINERS LIMITED

Software Engineer

2017-2020

- Delivered pixel-perfect web and mobile applications from Figma designs using Vue.js, React, and React Native
- Contributed to the development of a modular ERP system using Laravel monolithic architecture

TECHTREE

Software Engineer

2016

- Converted Illustrator designs into HTML and WordPress themes
- Developed e-commerce websites, price comparison systems, and landing pages
- Built internal tools including mail clients, PDF generators, and invoice systems

RECENT PROJECTS

Learning Management Software: Takbir

Technologies: Kubernetes, Docker, Nestjs, Postgress,Nextjs, AWS, Amplify, EKS

- Led a cross-functional development team in designing and delivering a scalable Learning Management System (LMS) serving global learners and instructors on a cloud-native AWS infrastructure.
- Architected and developed backend microservices using NestJS, implementing secure authentication, course management, enrollment workflows, payment integration, and role-based access control.
- Store link: [Website](#)

AI-Based Podcast Generating Service – Learn By Podcas

Technologies: React Native (Expo), Next js, Supabase, Express, Trigger.dev, FCM, OpenAI, Gemini, Elevenlabs, Anthropic, Revenuecat, Sentry

- Built Learn By Podcast, an AI-powered podcast generation platform using Next.js, Express, React Native, and AWS with an event-driven architecture.
- Implemented event producers (API layer) that publish podcast generation requests to message queues (e.g., SNS/SQS/Kafka).
- Designed independent consumer services for AI content generation, audio processing, and storage (S3), enabling asynchronous and scalable workflows.
- Integrated notification and delivery services to update users in real time once processing completes, ensuring decoupled and resilient system design.

Lawyer Consultancy SaaS – Lawyers2Go

Technologies: Next.js, NestJS, React Native, Kubernetes, Microservices, FCM, Postgressql, ESC, Grafana, Aws SM, CloudFront, Elb, Eks

- Led the end-to-end architecture and development of a lawyer consultancy SaaS platform
- Designed full system architecture including Kubernetes cluster, security, and data layers
- Developed frontend using Next.js, backend microservices with NestJS, and mobile app with React Native
- Implemented scalable microservices communication and secure authentication mechanisms
- Coordinated a cross-functional engineering team to deliver production-ready SaaS applications
- Deployed and maintained applications across mobile app stores and web platforms
- Store link: [Google Playstore](#) [Appstore](#) [Website](#)

OTT Directory Listing Platform – Streembeam

Technologies: Next.js, Backend APIs, Cloud Infrastructure, Elasticsearch, MongoDB, FCM, Elb

- Designed and developed an OTT directory listing platform aggregating multiple streaming services
- Architected a unified data model to normalize platform data, assets, availability, and ratings
- Implemented scalable backend services to manage high-volume content and metadata
- Developed responsive frontend interfaces for web and mobile users
- Solved complex data-mapping challenges across heterogeneous OTT platforms
- Deployed applications across web, Android, and iOS environments
- Store link: [Google Playstore](#) [Appstore](#) [Website](#)

EDUCATION

Bachelor of Electrical & Electronics Engineering

May 2013 - May 2017

International Islamic University Chittagong

CERTIFICATION

AWS Certified Solution Architect Associate

April 2026 - April 2029

Verification number: cf4b6a0ffa4e4d5ba97c7a997ac5f4f0

Verification URL: <https://aws.amazon.com/verification>