

Muhammad Rafae Khatri

Sr. Full Stack AWS Developer

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Objective

AI SaaS Engineer and AWS Certified Full-Stack Developer with 5+ years of experience building scalable, secure, and cloud-native applications using Next.js, Node.js, and AWS serverless architecture. I specialize in designing high-performance backend systems, system integrations, and automation workflows. Recently, I have been focused on building AI-powered solutions using OpenAI, LangChain, AWS Bedrock, and Claude (Anthropic), with hands-on experience in AI-assisted development using GitHub Copilot and Cursor to accelerate delivery and code quality. I have worked with startups and growing businesses to develop scalable SaaS products, optimize performance, and deliver production-ready systems. My approach is to understand business needs deeply and translate them into efficient, maintainable, and scalable technical solutions.

Education

Sindh Madressatul Islam University
City Campus, Karachi
BS in Computer Science
GPA 3.1

Key Skills

React	Next
Javascript	NodeJs
API Integrations	Python
AWS	GraphQL
NestJS	REST
Cloudfront	Lambda
AppSync	S3
DynamoDB	Cognito
Event Bridge	API Gateway
Step Functions	SQS
Serverless	SNS
PostgresSQL	CodePipeline
Event Driven Architecture	CodeDeploy
AWS Bedrock	Microservices
LangChain	
OpenAI API	
GitHub Copilot	
Cursor AI	

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Experience

Senior Full Stack Developer, Geeksvisor

- Led backend development of a serverless SaaS platform serving 500+ concurrent users, cutting infrastructure costs by ~35% using AWS Lambda, AppSync, Cognito, Node.js, Python.
- Delivered 3+ hybrid SaaS applications with real-time APIs, Stripe payment integrations, and multi-tenant access controls for 10+ clients.
- Built serverless applications using AWS services (Lambda, DynamoDB, Cognito, AppSync).
- Implemented real-time APIs and integrated third-party systems with Node.js backend.
- Used AWS CDK and Serverless Framework for infrastructure automation, reducing provisioning time by 50%.
- Worked with React, Next.js, and Vue on frontend as needed.
- Built an AI agent on AWS Bedrock using Claude Sonnet model that automated financial data analysis, cutting manual reporting time from 2+ hours to under 10 minutes.

AWS Backend Developer, ElkTech

- Built and maintained a fully serverless backend infrastructure using AWS Lambda, AppSync, Cognito, and DynamoDB.
- Implemented scalable, event-driven systems with CI/CD pipelines and real-time notification workflows.
- Built GraphQL APIs with AppSync and managed authentication with Cognito.
- Created scalable Lambda functions for core business logic.
- Designed async event pipeline using SQS, SNS, and Step Functions, improving system throughput by 3x and eliminating manual processing bottlenecks.
- Configured SES for transactional emails and notifications.
- Automated CI/CD pipelines with GitHub Actions and AWS Amplify, reducing deployment time from 2+ hours to under 15 minutes.

MERN Stack Developer, CodebustersPro

- Delivered 5+ client projects end-to-end using React.js, Node.js, and MongoDB with React Native mobile integration.
 - Handled basic AWS DevOps operations and deployment workflows.
 - Developed full-stack apps using MERN stack.
 - Maintained Git version control and CI pipelines.
 - Worked with React Native for mobile features.
 - Participated in AWS DevOps setup and deployments.
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GeeksVisor

Website: <https://geeksvisor.com/>

Role: Lead Developer

Work:

- Full-stack development
- Client-based projects
- SaaS & web apps

ElkTech

Website: <https://elktech.co/>

Role: Developer

Work:

- Web development
- System building
- Backend + frontend contributions

CodeBustersPro

Website: <https://codebusterspro.com/>

Role: Developer

Work:

- Team-based development
- Multiple client solutions



Jan 2023 - Present

GeeksVisor
Lead Developer

Nov 2021 - Jan 2023

Developer
ElkTech

Aug 2019 - May 2020

CodeBustersPro
Developer

Communication

- Direct client communication experience, including requirement gathering, project scoping, and technical consultation
 - Ability to translate complex technical concepts into simple, business-friendly explanations for clients
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Leadership

- Experience leading development teams and coordinating tasks across frontend, backend, and cloud infrastructure
 - Strong ownership mindset with a focus on delivering results, meeting deadlines, and maintaining clear communication throughout the project lifecycle
 - Experience working with remote teams and managing async communication effectively
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Portfolio

1. LedgerIQ — AI-Powered Financial Platform

Stack: AWS Bedrock, Claude Sonnet, Lambda, DynamoDB, MongoDB, Vector DB, Next.js, Node.js, Python

Description: Built the complete backend for LedgerIQ, a financial management platform featuring AI-powered document search (RAG on financial PDFs via Vector DB), an AI financial calculator querying live MongoDB data, and automated report generation (Balance Sheet, P&L, Trial Balance) with PDF export by date range or custom filters.

Result: Reduced manual financial reporting from hours to minutes; AI layer enabled instant answers from financial documents without manual lookup.

Link: [ADD: GitHub / Demo link if available]

2. SaddleFit — Multi-Brand E-Commerce Sync Platform

Stack: AWS Step Functions, Lambda, DynamoDB, AppSync, React, Shopify API

Description: Built a real-time Shopify-to-AWS sync engine for a multi-brand horse saddle e-commerce platform. Used Step Functions to orchestrate product and variant sync across multiple Shopify stores into DynamoDB, with listings displayed live in a React frontend.

Result: Eliminated manual inventory updates across multiple brands; real-time sync ensured zero product data lag between Shopify and the platform.

Link: [ADD: SaddleFit URL or GitHub if available]

3. Serverless Cloud Architecture & Event-Driven Systems

Stack: AWS SQS, EventBridge, Step Functions, DynamoDB Streams, CloudWatch, Lambda, Cron Schedulers

Description: Designed and implemented multiple production serverless architectures across client projects, including event-driven pipelines (SQS + EventBridge), multi-step orchestration workflows (Step Functions), scheduled automation (cron/CloudWatch schedulers), and real-time data processing (DynamoDB Streams).

Result: Each architecture eliminated manual triggers, reduced operational overhead, and enabled auto-scaling across production systems with zero server management.

Link: github.com/rafaekhatri11

References

Available upon request.
