

Abeel Muhammad

Senior Software Engineer – Full Stack (JavaScript, MEAN/MERN, AWS, AI)

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Summary

Senior Software Engineer with 5+ years of experience building and scaling SaaS platforms using modern JavaScript stacks (MEAN/MERN). Specialized in Angular, TypeScript, Node.js, and AWS cloud services, with a track record of measurable performance optimization, scalable system design, and third-party integrations. Actively expanding into AI-assisted development and applied AI engineering, integrating LLM-based features and automating engineering workflows.

Technical Skills

Languages: TypeScript, JavaScript, Python, C++, Java

Frontend: Angular, React, Redux, Tailwind CSS, Bootstrap, HTML, CSS

Backend: Node.js, Express.js, REST APIs, GraphQL

Databases: MongoDB, DynamoDB, PostgreSQL, MySQL, SQLite, Neo4j

Cloud & DevOps: AWS (Lambda, S3, DynamoDB, Amplify, CloudWatch, EC2, SQS), Firebase, PM2

Tools: Git, Postman, VS Code, Datadog, Jupyter Notebook

Professional Experience

Senior Software Engineer

Mar 2024 – Present

Tkxel, Lahore, Pakistan

- Spearheaded development of new features on a SaaS platform for enterprise risk and compliance management, streamlining workflows and improving functionality
- Applying AWS expertise to optimize cloud architecture and deploy scalable solutions; pursuing AWS certification
- Contributing to compliance-workflow and dashboard features for an enterprise cybersecurity risk and compliance platform

Software Engineer

Apr 2023 – Feb 2024

Tkxel, Lahore, Pakistan

- Reduced application build size by 25% using Angular optimization techniques and resolved 30+ critical bugs, improving system stability
- Integrated AWS services (Amplify, S3, Lambda, CloudWatch, DynamoDB) to streamline deployment pipelines and improve system monitoring
- Leveraged Datadog to automate front-end test cases and transitioned backend processes to REST APIs, increasing development efficiency

Software Engineer

Sep 2021 – Mar 2023

Metadots, Lahore, Pakistan

- Integrated third-party APIs (Google Maps, PayPal, Instagram, Facebook), increasing user engagement by 30%
- Implemented secure API authentication (OAuth, JWT), ensuring data security across applications
- Designed and launched 5 web applications, including e-commerce and social networking platforms, meeting client satisfaction goals

Associate Software Engineer

Sep 2020 – Aug 2021

Metadots, Lahore, Pakistan

- Developed web applications using MongoDB, Express.js, Angular, and Node.js, reducing server response times by 15%
- Designed and implemented scalable server-side logic with seamless database integration
- Collaborated with cross-functional teams to resolve complex technical challenges and deliver high-quality software

Projects

Enterprise GRC (Governance, Risk & Compliance) Platform *Angular, TypeScript, Node.js, GraphQL, AWS*

Confidential – Tkxel client engagement

- Contributing to an AI-powered SaaS platform for enterprise cyber risk, compliance, and vendor risk management, supporting 180+ regulatory frameworks (NIST, ISO 27001, SOC 2, PCI DSS)
- Built features for automated compliance questionnaires, risk dashboards, and board-level executive reporting
- Worked within a cloud-native architecture on AWS, integrating monitoring, storage, and serverless services to support enterprise-scale deployments

Eazy Oz

Angular, Node.js, Express, MongoDB

- Platform connecting students with verified migration and education agents for study/travel to Australia

Smart Up

Angular, Node.js, Express, MongoDB

- Platform connecting startups with investors, including integrated payment gateway handling

Filmpire

React, Redux, Material UI, REST API

filmpire-abeel50.vercel.app | github.com/abeel50/filmpire_abeel50

- Movie discovery application with search and genre-based categorization, built while learning React and Redux; deployed live on Vercel

Education

BS, Software Engineering

2014 – 2018

Punjab University College of Information Technology (PUCIT), Lahore