MOHMMED SHAMIL UK
Full Stack Engineer

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SUMMARY

Full Stack Developer with 4+ years of experience building scalable, cloud-native web applications using the MERN stack, and RESTful APIs. Proficient in modern front-end frameworks (React.js, Next.js), backend services (Node.js, Express), and DevOps tools including Docker, GitHub Actions, Jenkins, and AWS. Skilled in setting up CI/CD pipelines to enable faster and more reliable deployments. Experienced in AI integrations using LangChain, OpenAI APIs, and Retrieval-Augmented Generation (RAG). Familiar with NestJS. Currently based in Dubai and open to Full Stack Developer roles in agile, product-focused environments.

EXPERIENCE

Full Stack Engineer | Glider ai | Bangalore, India | May 2022 – Present

- Developed and deployed the Live Interview platform with real-time coding, video conferencing, and AI proctoring, enhancing remote technical assessments.
- Designed and implemented backend workflows for candidate scheduling, session handling, and post-interview analytics, contributing to a 40% increase in interview completions.
- Built AI-driven modules for automated question generation and difficulty tagging, leveraging Python, OpenAI, and NLP tools.
- Created reusable frontend components in React.js and optimized interview flow for low-bandwidth users, ensuring consistent UX.
- Collaborated in cross-functional Agile teams including UI/UX designers, QA engineers, and product managers.
- Presented complex technical features to non-technical stakeholders, bridging communication between development and business.
- Integrated WebSocket-based real-time collaboration tools and secure data transmission protocols.
- Led codebase modularization efforts to improve scalability and reduce technical debt.
- Implemented unit and integration tests using Jest increasing test coverage and reducing bugs in production.
- Supported CI/CD pipelines with GitHub Actions and Jenkins, cutting release times by over 50%.
- Actively participated in code reviews, daily stand-ups, sprint planning, and retrospectives in a Scrum environment.

Full Stack Engineer | Pennonn | Kochi, India | July 2021 – May 2022

- Developed and deployed Byreban, a real-time web and mobile animal bidding platform using the MERN Stack and Firebase, enabling live listings and user interaction.
- Built a School Management System with modules for attendance tracking, exam management, user role access control, and parent notifications, serving over 10 schools.
- Designed and implemented the KTU Result Analyzer tool to visualize academic performance and trends using Chart.js, React, and MongoDB.
- Proposed and built a proof of concept for a real estate data scraper to enable future price comparison and trend analysis.
- Integrated secure RESTful APIs with JWT and OAuth authentication, ensuring safe and efficient data handling.
- Participated in Agile sprints, client demos, and iterative development cycles in collaboration with designers and stakeholders.
- Owned and maintained end-to-end full-stack modules, delivering scalable and production-ready code.
- Followed test-driven development (TDD) practices and contributed to code reviews to uphold quality standards.

TECHNICAL SKILLS

Frontend: React.js, Next.js, Meteor js, JavaScript, TypeScript, Redux, Tailwind CSS, HTML5, CSS3, SCSS, React native, Chart.js, SSR

Backend: Node.js, Express.js, Python, REST APIs, GraphQL, Microservices, NestJS, FastAPI, twilio

Cloud & DevOps: Docker, AWS (EC2, S3), GitHub Actions, Jenkins, Firebase, CI/CD

Testing: Jest, React Testing Library.

Databases: MongoDB, MySQL, SQL, PostgreSQL.

AI/ML Tools: LangChain, OpenAI API, RAG, llama

Other Tools: WebSocket, Kafka, Postman, Jira

EDUCATION

Bachelor of Technology in Computer Science Engineering, College of Engineering Thalassery, Kerala, India | **August 2017 – June 2021** | APJ Abdul Kalam Kerala Technological University | CGPA: 6.7

PROJECTS

Live Interview Platform – Glider.ai

Technologies: Meteor.js, Node.js, WebSocket, MongoDB, Redis, AWS

- Developed a real-time interview platform with integrated AI proctoring and collaborative coding tools.

- Scaled backend architecture to support global user base and improved interview completion rate by 40%.

Resume Pilot – AI Resume & Portfolio Builder

Technologies: Next.js, Express js, JWT, Tailwind CSS, OpenAI API

- Built a web app to auto-generate resumes, cover letters, and personal portfolios using AI-driven content generation.
- Integrated PDF export, resume uploads, and automatic portfolio deployment.

Byreban – Animal/Bird Bidding Platform

Technologies: MERN Stack, Firebase

- Designed and deployed a bidding platform for animals and birds with real-time updates and admin workflows.
- Developed both web and mobile interfaces with real-time listing and onboarding features.

AI Chatbot Assistant

Technologies: Next.js, Tailwind CSS, OpenAI API, LangChain, RAG

- Built a chatbot that generates context-aware answers based on user queries and dynamic content ingestion via URL.
- Integrated Retrieval-Augmented Generation (RAG) for improved response accuracy.

School Management System

Technologies: MERN Stack

- Developed modules for attendance tracking, exam results, and real-time parent notifications.
- Deployed system to support 10+ educational institutions.

Master Fishing – eCommerce Website

Technologies: React.js, Node.js, MongoDB, Stripe

- Created a fully functional online store for fishing gear with multilingual support and payment integration.
- Implemented responsive design and admin control panel, deployed full project in amazon EC2 and added CI/CD pipeline.

TURF MANAGER – MOBILE APP

Technologies: React Native, Firebase

- Built a business management app for turf venue owners to monitor bookings and revenue.
- Included admin dashboard and reporting features.

BlueChem International – Business

Technologies: Next.js, Tailwind CSS, Framer Motion

- Developed an SEO-optimized and responsive portfolio website for a chemical and construction company.
- Enhanced user experience with animated transitions and clean UI deployed in Versel and DNS.

KTU Result Analyzer

Technologies: MERN Stack, Chart.js

- Created a tool to upload and analyse semester-wise academic data for students and faculty.
- Added CGPA tracking, backlog detection, and subject-wise visualization.

Smart parking system

Technologies: Python, OpenCV, CNN, Flutter

- Built a real-time parking space detection system with live availability updates via mobile dashboard.
- Integrated image processing and machine learning for slot prediction.

Well Work – Wellness Platform

Technologies: Next.js, Tailwind CSS

- Designed a wellness tool for IT professionals promoting movement and stretching routines.
- Features include reminder alerts and curated music playlists.

CERTIFICATIONS

- The Complete Full Stack Web Development Bootcamp – Udemy, 2023
- LLM Engineering: Master AI, Large Language Models & Agents – Udemy, 2025

LANGUAGE

English | Malayalam | Hindi | Arabic (Read, Write)

PERSONAL INFORMATION

Nationality: Indian | Residency: Qatar Resident | Visa Status: Visit visa(UAE))