

MOHAMMED SHAMIL UK

Software Engineer – Full Stack

☎ +974 77917674 | ✉ mohammedshamil.dev@gmail.com | 📍 Doha, Qatar | 🌐 [GitHub](#) | 🌐 [Portfolio](#) | 🔗 [LinkedIn](#)

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 frontend 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). Currently based in Qatar and open to Full Stack Developer roles in agile, product-focused environments..

WORK EXPERIENCE

Full Stack Developer

Glider.ai

📅 May 2022 – Present

📍 Bangalore, India

- 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, Mocha, and Chai, 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 Developer

Pennon

📅 July 2021 – May 2022

📍 Kerala, India

- 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, TypeScript, Redux, Tailwind CSS, HTML5, CSS3
- **Backend:** Node.js, Express.js, Python, REST APIs, GraphQL, Microservices
- **Database:** MongoDB, MySQL
- **DevOps & Cloud:** Docker, AWS (EC2, S3), GitHub Actions, Jenkins, Firebase, CI/CD
- **AI/ML Tools:** LangChain, OpenAI API, RAG
- **Other Tools:** WebSockets, Kafka, Postman, Jira

EDUCATION

Bachelor of Technology – Computer Science Engineering

College of Engineering Thalassery (COET), Kerala Technological University

Jun 2017 – Jun 2021

CERTIFICATIONS

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

KEY PROJECTS

Live Interview Platform – Glider.ai

Technologies: Meteor.js, Node.js, WebSockets, 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, 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 Company Website (Pennon)

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 GitHub Repo

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.

MasterFishing – eCommerce Website Live Site

Technologies: MERN Stack

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

MasterFishing – eCommerce Website Live Site

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.

TURF MANAGER – MOBILE APP GITHUB REPO

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 Website Live Site

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.

KTU Result Analyzer Company Website (Pennon)

Technologies: MERN Stack, Chart.js

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

Bluechem International – Business Website Live Site

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 GitHub Repo

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.

LANGUAGES

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

PERSONAL INFORMATION

Nationality: Indian | Residency: Qatar Resident | Visa Status: Transferable)

DECLARATION

I hereby declare that the information furnished above is true and correct to the best of my knowledge.

MOHAMMED SHAMIL UK