YASIR KHAN

Senior Full Stack & DevOps Engineer

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SUMMARY

I am a Senior Full Stack & DevOps Engineer with over 5+ years of experience in building and deploying scalable SaaS platforms. My expertise encompasses a wide range of technologies, including React, Node.js, and cloud platforms, alongside strong DevOps capabilities. I am skilled in enhancing system performance and reliability through effective automation and microservices architecture. I thrive in collaborative environments to deliver high-quality software solutions

EXPERIENCE

Senior Full Stack & DevOps Engineer

Aretec Inc

01/2023 - Present USA

A technology company specializing in SaaS platforms

- Spearheaded migration to React + Node.js microservices architecture, boosting system scalability by 40%
- Automated deployments via Jenkins and GitHub Actions pipelines, reducing release cycle time from 2 hours to 20 minutes
- Designed and optimized RESTful APIs and PostgreSQL queries, lowering API response latency by 60%
- Managed cloud deployments on AWS/GCP using Docker & Kubernetes, ensuring 99.9% uptime
- Collaborated across cross-functional teams to align DevOps practices, improving deployment success rate by 35%

Full Stack Engineer

Entrollics LLC

01/2022 - 12/2022 USA

A company focused on innovative web solutions

- Built React-based analytics dashboards, cutting client onboarding time by 25%
- Integrated AI-powered chatbots with Node.js backend, improving customer support response time by 40%
- Enhanced UI/UX across multiple products, raising client satisfaction scores from 3.8 to 4.6/5
- Developed responsive web applications serving 1,000+ concurrent users

Full Stack Developer

Mach3BI

01/2019 - 12/2021 USA

A firm specializing in business intelligence solutions

- Improved web application performance by 55% through code optimization and lazy loading implementation
- Integrated REST APIs into React applications, enabling real-time reporting for 5,000+ users
- Partnered with backend engineers to deliver comprehensive SaaS dashboards, reducing reporting time by 30%
- Implemented responsive design principles, ensuring cross-browser compatibility

EDUCATION

Master of Science

NED University of Engineering & Technology

12/2023 - 12/2024 Karachi, Pakistan

Bachelor of Science

Federal University of Science & Technology

02/2017 - 12/2021 Karachi, Pakistan

TRAINING / COURSES

Web & Mobile Application Development Certification

Saylani Mass IT Training

Google AI Essentials Certificate

Coursera Google

Chatbot AI

IBM cognitive

SKILLS

AWS Caching CSS Dialogflow Docker Elasticsearch GCP GitHub Google BigQuery Jenkins JWT Kubernetes Netlify PostgreSQL PWA React REST Tailwind Terraform TypeScript GitHub Actions Node.js Express.js Microservices Responsive Web Next JS Stripe

PROJECTS

diSearch

01/2023 - Present Fairfax, United States

- Developed a **robust search feature** that enabled quick and accurate results from users' uploaded files, improving overall user experience.
- Integrated **AI-powered capabilities** to allow users to generate images, compose articles, and create content, boosting engagement through dynamic content creation.
- Implemented **Stripe payment system** for secure subscription management and seamless billing.
- Published **diSearch** in the **Google Cloud Marketplace**, increasing visibility and accessibility for enterprise users.
- Deployed and managed the application using **Docker and Kubernetes** on **GCP**, ensuring scalability, reliability, and high performance.

Jakmet AI

03/2024 - 03/2024 United States

- Designed and developed an **AI-powered application** enabling users to **chat with files** using **LLMs**.
- Implemented **Stripe payment integration** for subscription handling and secure billing.
- Built a **scalable and responsive frontend** with React, TypeScript, and Tailwind CSS.
- Developed a **Node.js backend** for document parsing, chat sessions, and LLM integration.
- Configured **authentication and role-based access control (RBAC)** for secure user management.
- Deployed the application using **Docker, Kubernetes, and Google Cloud Run**, ensuring performance and scalability.

Doc AI

02/2022 - 07/2023 Clarksburg, United States

- Contribute in the **Doc AI project**, enabling users to interact with their uploaded documents.
- Built a **document ingestion and parsing pipeline** to handle multiple file formats and provide accurate context retrieval for conversations.
- Designed a **scalable and responsive frontend** using React, TypeScript, and Tailwind CSS, enhancing user experience and accessibility.
- Implemented backend services with **Node.js and PostgreSQL**, including authentication, role-based access, and API integrations.
- Deployed the application using **Docker and Kubernetes** on **Google Cloud**, ensuring reliable performance and scalability.

Context

08/2020 - 12/2022 Clarksburg, United States

- Developed advanced **data extraction capabilities** for PDFs and videos using **Google AI**, improving data insights and usability.
- Integrated **Google AI video analysis** to detect and identify objects, enhancing the tool's effectiveness for video content.
- Implemented **hybrid storage solutions** using **MongoDB and PostgreSQL** for efficient data storage, retrieval, and management.
- Deployed and managed the application with **Docker and Kubernetes** on **Google Cloud Platform (GCP)**, ensuring scalability and reliability.
- Utilized **Google Document AI processors** to extract structured data from PDF forms and present key information effectively.

KEY ACHIEVEMENTS

CI/CD Optimization

Reduced deployment times by 80% through comprehensive CI/CD pipeline implementation

Microservices Migration

Improved system scalability by 40% via microservices architecture migration

High Availability

Achieved 99.9% uptime for cloud-based applications through robust DevOps practices

API Performance

Enhanced API performance by 60% through optimization and caching strategies