Mohammed Rabe Ahmed
Software Engineer

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Professional Summary

Software Engineer with 1 year of experience in full-stack development and DevOps, specializing in React, Next.js, Node.js, and AWS. Proficient in building scalable applications, optimizing cloud deployments, and automating CI/CD pipelines to enhance system performance and reliability. Passionate about problem-solving, innovation, and staying ahead with emerging technologies to deliver impactful solutions.

Education

University of Karachi   **2020 - 2024**
Bachelor of Science in Computer Science

Professional Experience

Codevatve *Software Engineer*   **January 2025 - Present**
- Developed the frontend of a fintech app in Oman, ensuring an intuitive user experience and handling of 27 bank eForms.
- Managed data replication across 5+ PostgreSQL databases, improving data consistency by 20%.
- Maintained and optimized deployments of more than 5 applications using Nginx and AWS, ensuring 99.9% availability.

Shispare Pvt. Ltd *Devops Engineer*   **August 2024 - November 2024**
- Automated deployments and updates using Bitbucket Pipelines & PM2, ensuring zero downtime in remote environments.
- Optimized deployment by dockerizing PHP, Laravel, and PSQL, implementing CI/CD, and configuring ELK stacks in K8s.
- Enhanced security with SSL certificates (ZeroSSL), virtual hosts, and remote frontend/backend deployments.

360XpertSolutions *Devops Engineer Trainee*   **March 2024 - July 2024**
- Deployed and optimized 5+ applications using PM2 and Docker, improving scaling efficiency by 30% and ensuring consistent deployments across environments.
- Managed Kubernetes clusters and orchestrated multi-container applications with Docker Compose and Swarm, reducing deployment time by 25%.

Projects Experience

Canvas Dashboard Generation App *(NextJS, Python, FastAPI, MongoDB)*   **August 2024 - December 2024**
- Engineered a GenAI SaaS application that generates interactive visualizations (bar, pie, line charts) from user-uploaded data and natural language prompts, improving user interaction by 80%.
- Built a scalable architecture with Next.js, FastAPI, Pandas, and Plotly, optimizing data parsing, conversion, and chart rendering, enhancing scalability by 30%.
- Automated cloud deployment on AWS using PM2, Docker, and CI/CD pipelines, achieving 99.9% uptime and reducing deployment time by 50%.

ETHGlobal FVM Space Warp *(ReactJS, Solidity, Huddle01, FIlecoin, Spheron)*   **October 2024**
- Built a decentralized social network app using blockchain technologies, featuring Metamask integration for user authentication and community interactions.
- Enabled live streaming, file sharing, and peer-to-peer communication using Huddle01, Filecoin, and Spheron for decentralized storage and connectivity.
- Streamlined deployment with Spheron and a CI/CD pipeline, ensuring automated updates and seamless integration.

Skills

- **Soft Skills:** Problem-solving, Communication, Teamwork, Adaptability, Quick Learning
- **Programming:** JavaScript, Python, Java
- **Frontend Development:** ReactJS, NextJS, Redux, Tailwind CSS, Material-UI, Sass, Figma
- **Backend & Databases:** NodeJS, ExpressJS, REST APIs, MySQL, PostgreSQL, MongoDB, Firebase
- **DevOps & Cloud:** AWS, Docker, Kubernetes, Jenkins, CI/CD, ELK Stack, Git, Ansible, PM2, Bitbucket Pipelines

Certifications & Relevant Coursework

- **NodeJS - The Complete Guide (MVC, RestAPIs, GraphQL, Deno)** | Udemy | 2024
- **DevOps with Projects** | Udemy | 2024
- **React - The Complete Guide** | Udemy | 2023
- **Data Structures & Algorithms using C++** | Udemy | 2022