Bhanu Charan Kodimala

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 1+ year of experience building scalable cross-platform applications using React Native and FastAPI. Proven track record of optimizing APIs and database queries for high-performance systems serving 10,000+ users. Skilled in containerized deployments with Docker, cloud storage with Azure Blob, and collaborative Agile development environments.

WORK EXPERIENCE

Software Engineer — Full Stack   Nov 2024 – Present
TechRangers.in | Remote   Hyderabad, India

- Built and optimized RESTful APIs with FastAPI, improving average response time by 30%.
- Developed cross-platform mobile apps with React Native, using reusable components, responsive layouts, and custom animations.
- Integrated advanced native features including maps, push notifications, and camera, enhancing user engagement.
- Designed and optimized SQL Server schemas and queries for improved performance across production workloads.
- Implemented ORM models with SQLAlchemy, reducing maintenance overhead; containerized services using Docker for consistent deployment and scalability.
- Collaborated closely with cross-functional teams across multiple apps to deliver features and improve user experience.

PROJECTS

Appointment Booking App – thetechrangers.com   May 2025
React Native · FastAPI · SQL Server · Docker · Azure Blob Storage

- Built a scalable appointment scheduling platform for government officials and hospitals, serving 10,000+ active users.
- Containerized backend with FastAPI and Docker; implemented centralized logging for monitoring and debugging.
- Integrated role-based authentication for administrators, officials, and hospitals, enhancing security and access control.
- Optimized RESTful APIs and SQL queries, improving booking speed by 40%; integrated Azure Blob Storage for secure data management.

Socializing App - thetechrangers.com   Nov 2024
React Native · FastAPI · Docker · SQL Server · Azure Blob Storage

- Developed a cross-platform social networking app encouraging real-world interactions, achieving 500+ active beta users.
- Built responsive frontend with React Native and Context API, compatible across Android and iOS.
- Containerized backend APIs with Docker for improved maintainability and CI/CD integration.
- Integrated Azure Blob Storage for scalable image storage, managing over 1 GB of user-generated data.

S-TrAcE — Trend Analysis Web App   Apr 2024
Machine Learning · NLP · Flask · Python · Docker

- Developed a machine learning web app for real-time trend analysis using BART-large-MNLI and DBSCAN clustering.
- Implemented t-SNE for visualization and built NLP pipelines with NLTK for text preprocessing.

Farming in the Digital Age   Jun 2023
IoT · Flask · Machine Learning · Python

- Built an IoT-based crop management system using Python and Flask to predict soil nutrient levels (NPK).
- Achieved 97% prediction accuracy using a Random Forest model; developed a dynamic web interface for farmers.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, C

Frameworks & Libraries: React Native, FastAPI, ReactJS, Flask, SQLAlchemy
Tools & Platforms: Docker, Git, GitHub, VS Code, Android Studio, Linux
Cloud & Databases: Azure Blob Storage, SQL Server
ML / AI: BART, DBSCAN, t-SNE, NLTK, Random Forest, Scikit-learn

EDUCATION

B.Tech — Information Technology   Nov 2020 – Jun 2024
Sreenidhi Institute of Science and Technology | CGPA: 7.82   Hyderabad, India

CERTIFICATIONS

React Native (Udemy) • ReactJS (Udemy) • Python • Command Line in Linux • SQL (HackerRank) • CSS (HackerRank)

EXTRACURRICULAR

Technical Team Member — TechVision Club, SNIST   Dec 2022 – Feb 2024
- Organized and conducted technical workshops and fests, leading collaborative initiatives within the club.
- Developed leadership and teamwork skills by managing cross-functional teams during events and hackathons.