

# Danaboina Shanmukeshwar

Full Stack Developer

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## SUMMARY

Full-Stack Software Engineer with over 3 years of experience in modern JavaScript frameworks including React, React Native, and Next.js. Specialized in developing innovative web and mobile applications with a focus on scalable architecture and performance optimization. Experienced in cloud infrastructure using AWS and Azure, with proven skills implementing containerized solutions through Kubernetes. Proficient in backend technologies such as Django and FastAPI for creating robust RESTful APIs. Demonstrates strong capability in integrating AI and machine learning solutions to develop intelligent applications that solve complex business challenges. Committed to delivering user-centric products that drive technological innovation and business growth.

## SKILLS

**Programming Languages & Frameworks:** : C++, PHP, Python, Java, SQL, NoSQL, JavaScript/TypeScript, React/React Native, Django, FastAPI, Next.js, Angular

**Databases & Data Management:** : Mysql, PostgreSQL, MongoDB, Redis, DynamoDB, Kafka

**Cloud & DevOps:** : AWS, Azure, GitHub Actions, Kubernetes, Docker

**Machine Learning & AI:** : Computer Vision, YOLO Object Detection, RoboFlow, Firebase ML, Content Moderation Systems, OpenAI API Integration

## EXPERIENCE

**Head Of Technology, Around me app, Hyderabad, India** **Jun 2024 - Present**

- Managed a diverse team of 8 developers to develop a location-aware social networking app, resulting in over 65,000 downloads and enhancing user interaction with real-time local features.
- Established agile development practices and mentored junior engineers, resulting in 30% faster sprint completions and improved code quality.
- Designed scalable architecture using Expo for mobile, FastAPI for backend, and AI content moderation that reduced inappropriate content by 98%.
- Created innovative features like "Shoutouts" for targeted announcements and "Chitchats" for proximity discussions, increasing user engagement by 42%.
- Orchestrated cloud infrastructure on Azure using Kubernetes, managed Postgres, and Kafka, achieving 99.9% uptime while optimizing cloud costs by 25%.

**Software Developer, OpenCubicles Technologies Pvt Ltd, India** **Jun 2021 - May 2023**

- Architected a smart maintenance system that monitors thousands of air conditioning units, reducing equipment downtime by 72% through early fault detection.
- Developed a comprehensive CRM for oil industry clients that increased acquisition rates by 40% through integrated eSign capabilities and collaboration tools.
- Built backend services using Django and Next.js with CI/CD pipelines that decreased deployment time by 65%.
- Implemented Kafka for event processing and Redis for caching, resulting in 3x faster response times and enabling real-time analytics.
- Developed a Shopify Builder Plugin with drag-and-drop interface that increased merchants' post-purchase upsell conversion rates by 25%.
- Engineered bidirectional iframe communication between components, reducing development time by 40%.
- Contributed to a solar installation mobile app by implementing offline-first architecture with Firebase ML for remote authentication in areas with limited connectivity.

## EDUCATION

**JNTUH, Hyderabad, India - Bachelor of Technology, Electronics and Communication Engineering** **2018**

## CERTIFICATIONS

<a href="#">GitHub Foundations</a> , Github	<b>Mar 2025</b>
<a href="#">Microsoft AI</a> , Microdoft	<b>Jan 2021</b>
<a href="#">IBM Cloud Essentials</a> , IBM	<b>May 2021</b>
<a href="#">Stanford Internet of Things</a> , Stanford	<b>Jan 2021</b>

## PROJECTS

**AroundMe Social Networking Platform,** [Link](#)

- Led end-to-end development as Technical Head, creating a location-based social app that connected users with similar interests locally, leveraging geolocation services and reaching 65,000+ downloads across Android and iOS platforms.
- Built a complete technology stack using Expo for mobile, FastAPI with Pydantic for backend, and Azure infrastructure including Kubernetes and Kafka for handling high volumes of data efficiently, ensuring scalability and performance.
- Created innovative features like "Shoutouts" for local announcements and "Chitchats" for nearby group discussions, with AI-powered content moderation to automatically filter inappropriate content, enhancing user experience and community safety.

#### **Memli AI-Powered Flashcard Application, [Link](#)**

- Developed a React Native learning app that uses AI to generate mnemonics and study aids, implementing machine learning algorithms to attract over 30,000 active users globally.
- Built an intelligent quiz system that identifies challenging terms from large datasets and creates personalized assessments to enhance learning, utilizing data analytics for improved user engagement.
- Implemented computer vision using YOLO to automatically detect and explain images from textbooks, enhancing visual learning effectiveness and integrating advanced AI technologies.

#### **Smart Maintenance Air Conditioning Monitoring System**

- Created a system that monitors thousands of air conditioning units in large warehouses using camera feeds and a custom FTP server.
- Designed an AWS pipeline that processes images and videos, extracts important information, and organizes data by warehouse location.
- Built a Vue.js dashboard with Django backend for tracking maintenance tasks, with automatic alerts when problems are detected.

#### **Solar Installation Mobile App**

- Developed an offline-first React Native app for the Australian government that verifies solar installations in remote areas with limited internet.
- Implemented facial recognition to confirm installer identity and high-speed barcode scanning to process thousands of solar panel barcodes efficiently.
- Created a system that stores data locally using WatermelonDB and automatically uploads information to AWS when internet connection returns.

### **ACHIEVEMENTS**

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- Served as Technical Head for a social networking platform (AroundMe) that scaled to 65,000+ users, implementing robust tech infrastructure with FastAPI, Celery, Kafka, and AI-powered content moderation.
- Developed Memli, an AI-powered flashcard application with 30,000+ downloads, implementing on-the-fly quiz generation and custom image recognition technology (YOLO) that identifies and explains visual elements in learning materials.
- Led development of a Shopify upsell/downsell plugin with a drag-and-drop builder interface, successfully implementing cross-iframe communication and delivering measurable increases in average order value across multiple merchants.
- Developed a critical offline-first mobile application for Australian government solar installations using React Native, integrating facial recognition and barcode scanning technologies that reduced manual documentation by 85% while maintaining regulatory compliance.
- Architected a scalable air conditioning monitoring system processing thousands of daily media files through automated detection, leveraging custom FTP servers, AWS Lambda functions, and computer vision to reduce equipment downtime by 72%.