Mukesh Babu

+91 7598441933 | ✉ mukesh.offcl@gmail.com | ⌂ Mukesh | in Mukesh babu

Experience

ACCENTURE SOLUTIONS | FULL STACK DEVELOPER   *Aug 2021 – May 2025*

Frontend & UI Engineering

- Built scalable **React components**, enforced **ES Lint** standards, and improved **Jest** test coverage—reduced development time by **30%**, raised coverage to **85%**, and cut review cycles by **40%**.
- Integrated REST APIs into React using **Axios**, enabling seamless dynamic data rendering across **5+ UI screens**.
- Leveraged Recharts to build interactive dashboards and AG Grid to handle large datasets, enhancing user task efficiency by **25%** and cutting custom UI development time by **40%**.
- Resolved major **UI/UX issues** using Chrome Dev Tools and **Redux** logs, optimized UI performance via **Lighthouse**, and consistently closed **20+ ServiceNow tickets/week** within SLA.

Backend & Data Engineering

- Implemented Redis caching in Node.js to eliminate redundant queries, boosting API throughput by **30–40%** and reducing backend CPU utilization by **45%**.
- Automated **user lifecycle and deactivation workflows** using **Node.js**, **RabbitMQ** (async processing), and **SQL stored procedures**, improving compliance for **500+ users** and saving **8 hours/week** of manual effort.
- Refactored and indexed complex **SQL queries** in SSMS, reducing average query response time by **30%**.
- Engineered **SQL views** to represent business logic and support real-time **Direct Query** dashboards in Power BI.
- Developed an **SSIS ETL package** to automatically retrieve historical data from **GCP Big Query**, eliminating **10 hours per week** of manual extraction and accelerating data availability.

Infrastructure.

- Led a critical **infrastructure migration**, updating configs, handling **server provisioning**, performing DNS changes, and executing end-to-end testing—completed in **under 4 hours** with **zero downtime**.

TECHCITI | FULL STACK DEVELOPER INTERN   *Mar 2021 – July 2021*

- Delivered key product features by developing **15+ reusable React components**, core CRUD APIs, and **12+ optimized stored procedures**.

Contribution

RadUI *(Open source)*

- Contributed the Scroll Area component in the docs for the **Open-source** UI library, used by **70+ developers**.

Ad-Spaces

- Constructed a contracts page that manages branding space for **top bidder**, used across **3+ internal modules**.

Projects

NBA 96' - Next.js, Langchain.js

- Designed an **AI-driven RAG** chatbot using **Next.js, LangChain.js**, and **OpenAI** to answer NBA 1996 season questions, **scraping** and **preprocessing 500+ pages** of game data with **Puppeteer** for context-aware responses.

Pensieve - React, Nodejs, Socket.io, RabbitMQ, Tailwind CSS

- Produced a secure, real-time messaging app using **React**, **Socket.IO**, and **Nodejs** to deliver a responsive, low-latency (**sub-150ms**) chat experience with persistent messaging and clean UX, tested by multiple users.

Adaptive Bitrate Viewer - React, Nodejs, AWS S3, AWS CloudFront, Shaka

- Architected a secure CloudFront-backed video delivery system with private **S3** access and **HLS transcoding** using **FFmpeg**. and merged the workflow into a React–Node.js application, enabling uploads and **adaptive** streaming.

Achievements

- STAR award for two consecutive quarters taking ownership of an end-to-end migration.

Skills

- Frontend technologies   *HTML, CSS, JavaScript, Typescript, React.js, Redux, Jest, Next.js.*
- Backend Technologies   *Nodejs, Prisma, PostgreSQL, MongoDB,*
- Cloud, Infra and Other   *AWS-EC2, S3, CloudFront, GCP Big Query, Datadog, Power BI, Git, Docker*

Education

B.E E. C. E | Sri Krishna College of Technology   *Aug 2017 – Mar 2021*