

ASUTOSH BEHERA

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WORK EXPERIENCE

SDE 2

Tessell India pvt ltd, Bangalore, India

Apr 2025 - Present

- Built an AI-powered NL→SQL platform with a React + TypeScript frontend and Spring Boot backend, leveraging a RAG-based knowledge engine (pgvector) and WebSocket streaming for real-time, schema-aware query execution.
Tech stack: React.js, Typescript, WebSocket
- Implemented Alert Policy feature (ECIF) for Tessell's Observability platform, enabling enterprise customers to configure metric-based alerts with multi-channel delivery, improving system reliability and customer satisfaction.
Tech stack: React.js, Typescript
- Enhanced frontend security by replacing localStorage with in-memory accessToken and HttpOnly refreshToken, mitigating XSS/CSRF risks, ensuring PCI compliance, and enabling security certifications critical for onboarding enterprise DBaaS customers. **Tech stack: React.js, Typescript**
- Strengthened frontend security by implementing Subresource Integrity (SRI) for third-party scripts and styles, preventing tampered CDN resources from loading and ensuring PCI compliance. **Tech stack: React.js, Typescript**
- Implemented MFA with email OTP as a second authentication layer, reducing credential-based attacks, increasing user trust, and aligning with security best practices. **Tech stack: React.js, Typescript**

Software Engineer 2

Vyapar, Bangalore, India

Dec 2021 - Apr 2025

- Developed User Role Permission in the desktop app, boosting license sales and revenue by enabling company sharing with roles like salesman. **Tech stack: WebSocket, React.js.**
- Developed in-app notifications to enhance user engagement and enable dynamic campaigns for product and marketing teams. **Tech stack: Electron-push-receiver, Firebase, CleverTap.**
- Streamlined application release process by building a CLI tool with Commandtron to automate .exe uploads to AWS S3 and GitHub release tagging, enhancing deployment efficiency and reducing manual effort.
- Designed and implemented E-invoice onboarding feature. This empowered users to efficiently handle their invoices electronically through seamless collaboration with Master India. Leveraged APIs provided by Master India.
- Created WhatsApp marketing strategies with personalized branding templates, integrating Brands.live for ready-to-use designs, driving increased sales through WhatsApp sharing.
- Led the integration of Redux across our Electron desktop app and took full ownership of this release to deliver to users.

PROJECTS

- Medium Clone** [Try it](#)
 - Built a blogging platform with Google login, enabling users to read, write, and publish blogs.
 - Developed both frontend and backend, implemented authentication, and integrated blog posting functionality.
 - Tech Stack: React, Node.js, Express.js, MongoDB

TECHNICAL SKILLS

Programming Languages and Web Technologies: Typescript, Javascript, HTML, CSS

Libraries and Tools: React, Node, Redux Express, Prettier, ESLint, Git, Confluence, Jira, Postman

Database: Sqlite, MongoDB

ACHIEVEMENTS AND CERTIFICATIONS

- MERN Full Stack Web Development, Masai School April 2021 - Dec 2021
- Secured first place in a Vyapar-sponsored hackathon. Collaborated to develop a multilingual voice bot for the Vyapar app, enhancing user accessibility and transitioning features into production. Awarded Rs 50,000.

EDUCATION

National Institute Of Technology

B.Tech, Electronics and Communication Engineering, CGPA: 8.94

Shillong, Meghalaya

Jun 2016 - Jul 2020