

Shaik Mohammad Abdullah

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 4+ years of experience building scalable web platforms, SaaS products, and enterprise integrations. Expertise across the stack — React, TypeScript, Node.js, GraphQL, and PostgreSQL — with strong foundations in authorization systems (RBAC/ReBAC), natural language interfaces, API design, and third-party integrations (WhatsApp, GitHub, Google Calendar). Experienced in client-facing technical roles, bridging sales and engineering to deliver production-ready solutions. Consistent track record of measurable impact: 3x click-through rates, 12% sales growth, and 20% traffic increase across shipped products.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, SQL
Frontend: ReactJS, NextJS, Tailwind CSS, HTML5, CSS3, Responsive/Mobile-First Design
Backend & APIs: Node.js, GraphQL, Hasura, REST APIs
Authorization & Security: Permit.io, RBAC, ReBAC, OTP Authentication
Databases: PostgreSQL, MySQL
AI & NLP: Natural Language Query (NLQ), Chat Interfaces, LLM Integration
Testing: Jest, React Testing Library, Unit & Integration Testing
Integrations: GitHub API, Google Calendar API, WhatsApp Business API
Tools & Platforms: Git, Linux, Azure AI, Google Analytics

EXPERIENCE

Karya

Senior Software Engineer

Sep 2024 – Present

Bengaluru, Karnataka, India

- **Authorization & Security:** Integrated Permit.io for RBAC and ReBAC across **100+ API routes**; configured role-based access for 5 user personas (project managers, ground coordinators, finance, support, QA) with instant access revocation for deactivated users and admin-managed permissions — eliminating all manual database changes.
- **Platform-as-a-Service (PaaS):** Pitched and onboarded enterprise clients onto Karya's PaaS offering. Led end-to-end technical discovery, scoped integration solutions, and oversaw seamless client-platform connections — bridging sales and engineering to deliver tailored, production-ready integrations.
- **Natural Language Query (NLQ):** Built a conversational chat interface enabling users to query databases in plain English. Implemented chat history, saved/reusable queries, and a data table with auto-resizable columns — eliminating the need for SQL knowledge and enabling collaborative data exploration.
- **Task Components:** Designed and built **25+ modular task components** for data collection workflows supporting voice input, touch interaction, and simple selection — improving accessibility for workers in low-resource environments with limited literacy or connectivity.
- **Payments & Reporting:** Implemented upload and date-range filters in the payments module and resolved critical report re-rendering bugs, enabling coordinators to manage payouts more efficiently with faster, more accurate worker payments.
- **Broadcast & WhatsApp Integration:** Added broadcast support for task distribution and integrated WhatsApp Business API for task assignment notifications, enabling work requesters to reach large worker pools via familiar channels.
- **Auth & Internationalization:** Fixed OTP handling for test numbers and international phone formats (e.g., Ethiopian country codes), enabling reliable verification and supporting multi-country expansion.

ZopSmart

Software Engineer

Jan 2022 – Aug 2024

Bengaluru, Karnataka, India

- **Kroger (US e-Commerce):** Significant contributor to homepage development for the **2nd largest e-commerce SaaS in the USA**. Improved UX and navigation architecture, increasing click-through rates to category pages by **3x** and driving a **12% increase in product sales**. Stack: TypeScript, ReactJS, CSS, Jest, React Testing Library.
- **EazyUpdates (Task Management SaaS):** Built a leave management and payroll tracking module for HR teams, significantly reducing manual effort. Integrated GitHub and Google Calendar APIs for real-time employee progress tracking. Responsible for **50% of total product build**. Stack: TypeScript, ReactJS, CSS, Jest, React Testing Library.

- **Smrize (Productivity SaaS):** Built a mobile-first book-summarization platform with audio playback. Optimized for mobile users, increasing traffic by **20%** and achieving an average daily engagement of **24 minutes per user**. Stack: JavaScript, NextJS, Tailwind CSS.
- **Confluence (Social Hiring Platform):** Architected and built a content creator monetization and social hiring platform from the ground up. Designed scalable GraphQL schemas and data models. Stack: NextJS, Tailwind CSS, GraphQL, Hasura, PostgreSQL.

MountBlue Technologies

Software Engineer

Aug 2021 – Jan 2022

Bengaluru, Karnataka, India

- Completed an intensive full-stack software engineering bootcamp focused on industry-standard frontend practices and deployment to product-based startups.
- Built a production-grade e-property listing marketplace enabling landlords to list properties and tenants to browse and inquire. Delivered a responsive, accessible UI with comprehensive test coverage. Stack: ReactJS, Tailwind CSS, Bootstrap, CSS, Jest, React Testing Library.

Developer Student Clubs, REVA University

Core Team Member

Jun 2019 – Jun 2020

Bengaluru, Karnataka, India

- Organized and managed technical events, workshops, and hackathons for the campus developer community; held multiple leadership roles to ensure smooth execution across all events.

PROJECTS & PUBLICATIONS

Road Accident Alert and Analysis System | *Published Research, REVA University*

2021

- Designed and published a real-time road accident detection and analytics system to improve emergency response. Explored sensor-based alerting and accident trend analysis for public safety applications.

EDUCATION

REVA University

Bachelor of Technology — Computer Science

Jun 2017 – Jul 2021

Bengaluru, India

Sri Chaitanya Techno School

CBSE Class 10 — Mathematics and Computer Science

May 2014 – Jul 2015

Bengaluru, India

CERTIFICATIONS

Microsoft: Azure AI Fundamentals **Google:** Analytics Individual Qualification **University of Helsinki:** Elements of AI

DataCamp: Intermediate Python — Data Science **SQL:** Introduction to SQL