

Ritwik Babu

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Full Stack Software Engineer | React, Python

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PROFESSIONAL SUMMARY

Full-stack software engineer with 3+ years of experience building web applications, REST APIs, cloud services, automation, and data platforms across banking, consulting, and startup environments. Hands-on with React, Vue.js, Python, FastAPI, Flask, Node.js, SQL/NoSQL databases, Docker, GCP, and AWS, with 55+ modular APIs delivered and manual workloads reduced by 43%.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, Java, C/C++, Kotlin, Swift

Frontend: React, Vue.js, Next.js, Tailwind CSS, React Native

Backend & Data: FastAPI, Flask, Node.js, REST APIs, PostgreSQL, MongoDB, MySQL, Supabase

Cloud & DevOps: Docker, GCP, AWS, Firebase, GitHub Actions, GitLab CI/CD, IAM, Git

EXPERIENCE

Software Engineer - Full Stack & GenAI | KeyBank

10/2025 – 07/2026

Cleveland, OH, USA

- Developed secure, containerized banking and analytics applications using React.js, Vue.js, FastAPI, Docker, GCP, and Git.
- Designed 55+ modular REST API endpoints, reusable service layers, and containerized workflows, improving maintainability, deployment consistency, and integration across data-driven systems.
- Prototyped GenAI solutions for data analysis, automation, financial modeling, and model orchestration using GCP services, Vertex AI, and statistical modeling engines.

Python Automation Engineer | Deloitte USI

08/2020 – 11/2022

Delhi, India

- Built Python- and SQL-based automation, analytics, and reporting solutions for US-based clients, reducing manual operational workload by 43%.
- Delivered secure internal web applications, REST APIs, and reusable automation tools in collaboration with global engineering and business teams.
- Developed ETL pipelines and standardized data-ingestion workflows across 6+ global business regions, improving data consistency and reporting efficiency.

Mobile Application Developer Intern | PDS International

05/2019 – 07/2019

Delhi, India

- Built Android and cross-platform applications with React Native and Firebase, implementing authentication, navigation, real-time synchronization, Firestore, and Cloud Functions.

PRODUCT VENTURE

Founding Full Stack Engineer | TheExpertsTribe

07/2025 – Present

- Build a cross-platform product from the ground up using React Native, backend APIs, cloud services, authentication, and reusable application architecture to deliver a performance-focused user experience.
- Collaborate with a small founding team to define application architecture, prioritize features, and translate product requirements into production-ready functionality.
- Own development infrastructure spanning IAM access controls, CI/CD pipelines, staging builds, testing environments, and release workflows.

PROJECTS

Yoke | React Native, FastAPI, MongoDB, Supabase, Cloudflare R2, AWS

02/2026 – Present

- Architect and develop a full-stack social platform with a React Native client, REST APIs, MongoDB data models, Supabase authentication, real-time messaging, and cloud-based media management.
- Designed conversation and message schemas, role-based access, upload and retry workflows, Agora voice calling, and secure private-media delivery using Cloudflare R2 and presigned URLs.

EDUCATION

University of New Haven

2023 – 2025

Master of Science in Computer Science, GPA: 9.95

New Haven, CT, USA

Outstanding Graduate Student Award in Computer Science

The Northcap University

2016 – 2020

Bachelor of Technology in Computer Science and Engineering, GPA: 8.81

Delhi, India