Shakirul Hasan Khan

Software Engineer

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Ø shakirul.dev
Q Dhaka, Bangladesh

₽ Profile

Shakirul Hasan Khan is a software engineer with over four years of professional experience in developing scalable and innovative web and mobile applications. Adept at full-stack development, he excels in creating dynamic front-end interfaces and robust back-end systems using modern technologies like NextJS, ReactJS, Python, and Flask. His expertise includes implementing machine learning integrations, designing user-centric features, and delivering high-performance solutions for startups and global clients. Shakirul is passionate about building products that combine cutting-edge technology with intuitive design, striving for excellence in every project.

➡ Professional Experience

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Software Engineer

Ramble @

2023 – present | Remote, US

- Built a conversational platform enabling users to search and engage with contacts using RAG and LLM technologies.
- Developed a feature for document-based conversations and summary generation leveraging Python-based tools.
- Designed and implemented a rich text editor with real-time collaboration using PlateJS and PubNub.
- Built and tested a web application with NextJS, TypeScript, and Playwright for enhanced user experience.

Traders Connect *∂*

2023 - 2024 | Remote, UK

Contract iOS Developer

- Developed native modules in Swift for seamless GRPC server integration with React Native.
- Built a reusable component library for cross-platform mobile apps using styled-components.
- Engineered a mobile application with over 20 screens using React Native, ensuring optimal performance.

Re:cruit @

2022 – 2023 | Remote, US

Software Engineer

- Created a resume-building application with NextJS, TypeScript, and PostgreSQL, integrating OpenAl for content generation.
- Designed comprehensive test suites with Jest and Playwright for NextJS applications.
- Implemented secure authentication systems and data analysis tools using Python and MagicLink.

Kaz Software ∂

2021 – 2022 | Dhaka, Bangladesh

Associate Software Engineer

- Designed and implemented over 40 pages for a dual-user interface web application using ReactJS, Redux, and SCSS.
- Upgraded web applications from ReactJS v16 to v18, improving performance and scalability.
- Merged ReactJS applications into a micro-frontend platform using Single-SPA and Docker.

Bengali.Al 🔗

2020 - 2021 | Remote, Bangladesh

Contract Software Engineer

- Developed a React|S web application for benchmarking Bengali text-to-speech models.
- Built a Flask-based server for ML model integration via WebSocket.

₽ Education

Shahjalal University of Science and Technology $\mathscr D$

2018 – 2022 | Sylhet, Bangladesh

Bachelor of Science in Software Engineering



Core Technical Skills:

 Languages & Frameworks: NextJS, TypeScript, Python, ReactJS, Flask

- Back-End: PostgreSQL, Prisma, Docker

- Front-End: SCSS, Redux, Tailwind CSS

Additional Tools/Technologies:

React Native, Google Cloud, Rust, Swift, TensorFlow, Pandas, MongoDB

Publications

BnPC: A Gold Standard Corpus for Paraphrase

May 2024

Detection in Bangla ∅

ELRA and ICCL

- Introduced a benchmark dataset for Bangla paraphrase detection, achieving the highest F1 score of 87.91 with BanglaBERT.
- Dataset and code publicly available.

Projects

Ramble @

An Al-powered meeting transcription and note-taking application

Tech: NextJS, Typescript, Python, Flask, Google Cloud

Traders Connect *⊘*

A cross-platform trade management app.

Tech: React Native, Typescript, Swift, Objective-C

Coterm @

A command-line AI copilot built with Rust and OpenAI API.

Tech: Rust, NextJS, Vercel

See More Projects on LinkedIn *∂*