


Sohel Shekh

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Technical Skills

Languages: Java, Python, JavaScript, Typescript, SQL, LaTeX, HTML/CSS, YAML, Markdown, Bash, Kotlin

Frameworks: React.js, Next.js, Node.js, Express.js, Flask, FastAPI, Django, GraphQL, Strapi, Tailwind, Three.js., GSAP, Firebase, Supabase, MongoDB, PostgreSQL, MySQL

Dev Tools: Git, GitHub, Docker, Cloudinary, JWT, Redis, AWS, Linux, Figma, Postman, Webpack, ESLint, Prettier, Nginx, Vercel

Education

Sheridan College, Software Development and Network Engineering

Jan 2024 – April 2027

Relevant Coursework: Java, Python, Database, Network Security, System Administration

GPA: **3.9/4**

Experience

Backend Developer

May 2024 – Jan 2025

Zeuty – Waterloo, ON

- Developed scalable backend solutions with **Express & TypeScript**, supporting onboarding of 4k+ new users.
- Designed **PostgreSQL** schema, creating 12 tables and 14 relationships, improving data retrieval speed by 30%.
- Created **ERD**, optimized database structure (indexes, foreign keys), reducing anomalies and improving readability.
- Developed utility functions, saving 600-650 lines of **duplicated code**, enhancing team efficiency.

Backend Executive

May 2024 – Jan 2025

UofTHacks: University of Toronto – Toronto, ON

- Migrated backend infrastructure from JavaScript to TypeScript, improving **code maintainability** and **scalability** by 18%.
- Developed multiple API endpoints, supporting system functionality for thousands of users.
- Integrated **OpenAPI documentation**, improving developer onboarding and reducing integration errors.
- Upgraded the **User & Admin Dashboards**, improving user experience and system reliability for participants.

Projects

eCommerce Solutions – Freelance | React.js, Next.js, Express.js, PostgreSQL, Razorpay, Analytics

- Delivered end-to-end eCommerce solutions, including **inventory management**, **POS systems**, and **live delivery tracking** apps, streamlining operations by 30%.
- Integrated **tax billing systems** and government documentation workflows as part of the platform.
- Optimized UX with **secure payments**, **faster load times**, and responsive designs increasing conversion rates by 20%.

Student Management System – Freelance | Node.js, Next.js, PostgreSQL, Strapi, SMS API, React.js

- Designed and developed an **attendance** and **test result management system**, integrating **SMS alerts** and **role-based access** for faculty and parents.
- Streamlined data management with **Excel imports/exports**, improving administrative efficiency.
- Optimized parent engagement with a dedicated dashboard for real-time access to attendance, test results, and work submissions.

Audio Sync App – Personal Project | Expo, React Native, Python, Socket Programming

- Built a cross-platform app using React Native and Python to sync audio across multiple devices (Android & Windows) for a combined speaker system.
- Implemented real-time audio streaming with low-latency communication using socket programming.
- Enabled multi-device setup with dynamic connectivity and precise synchronization.

Hackathons

- Delivered **workshops** on web development topics, sharing insights on industry best practices, modern frameworks, and coding techniques with aspiring developers.
- **Judged** 400+ teams across multiple hackathons, evaluating innovative solutions and ensuring fairness in assessment.
- **Mentored** 350+ teams in 10+ hackathons across Ontario, guiding participants in mastering emerging technologies and developing impactful projects.