

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

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

Education

Sheridan College – Davis Campus, Software Development & Network Engineering Jan 2024 – Present
Python, Java, AI/ML, Cloud Computing, Linux, Networking, OOPs, Web Dev, Database Management GPA: **3.9/4**

Experience

Backend Developer - Zeuty May 2024 – Dec 2024

- Developed **scalable backend solutions** using **Express & TypeScript**, enabling support for rapid growth and onboarding of **~4k+ new users**.
- Designed and implemented the database schema in **PostgreSQL with normalization**, creating **12 tables, 14 relationships**, and optimizing **5 key processes**, resulting in a **30% improvement in data retrieval speed**.
- Created the **Entity-Relationship Diagram (ERD)**, optimizing the database structure (indexes, foreign keys), reducing **data anomalies**, and **enhancing readability**.
- Set up the email server, integrating **9 types of transactional emails**, which resulted in **improved deliverability** (reduced bounce/spam rates) and **near-instantaneous response times** for most emails.
- Developed **several utility functions**, saving nearly **600-650 lines of duplicated code** and **improving team efficiency**.

Backend Executive – UofTHacks – University of Toronto May 2024 – Jan 2025

- Migrated backend infrastructure** from JavaScript to **TypeScript**, improving **code maintainability and scalability by 18%**.
- Developed multiple API endpoints, supporting system functionality for **2+ users**.
- Integrated **OpenAPI documentation**, improving **developer onboarding** and **reducing integration errors**.
- Upgraded the **User and Admin Dashboards**, improving **user experience** and **system reliability** for participants.

Projects

eCommerce Solutions – Freelance | React.js, Next.js, Express.js, PostgreSQL, Linux, 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, responsive designs**, and **faster load times**, 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.

Hackathons

- Delivered **workshops** on web development trends and **won several hackathons**, demonstrating expertise in **problem-solving** and **teamwork**.
- Mentored **~220 teams** across **10+ hackathons** across Ontario, teaching emerging technologies and guiding participants in project development.
- Judged multiple hackathons – over **100+ teams**, evaluating innovative solutions and ensuring fair assessment.